

# Texas Christian University

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**2009-10  
Academic Catalog**

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# Academic Calendar

## Fall Semester 2009

Registration	Friday, August 21
First classes meet, 8 a.m.	Monday, August 24
Last day for late registration, changing or adding courses	Friday, August 28
Last day for semester-fee students (only) to drop below 12 hours and receive partial-tuition refund	Friday, August 28
Labor Day Recess	Monday, September 7
Last day to withdraw from class and receive:	
100% tuition refund	Friday, August 28
75% tuition refund	Friday, September 4
50% tuition refund	Monday, September 14
25% tuition refund (no refunds after this date)	Monday, September 21
Fall Recess	
Classes recess, 10 p.m.	Friday, October 9
Classes resume, 8 a.m.	Wednesday, October 14
Mid-semester reports of unsatisfactory work due in the Office of the Registrar, 9 a.m.	Wednesday, October 7
Last day students may withdraw from a class	Wednesday, October 14
Last day for electing Pass/No-Credit grading option	Thursday, October 15
Schedule advising for spring semester	Monday-Friday, November 2-6
Advance registration for spring semester	Monday-Friday, November 16-20 Monday-Tuesday, November 23-24 Monday-Friday, Nov 30- Dec 4
Thanksgiving Recess:	
Classes recess, 5 p.m.	Tuesday, November 24
Classes resume, 8 a.m.	Monday, November 30
Last day of classes	Wednesday, Dec 9
Study days	Thursday-Friday, December 10-11
Final examinations	Monday-Friday, December 14-18
Baccalaureate and Commencement	Saturday, December 19
Residence halls close	Saturday, December 19

## Spring Semester 2010

Registration	Friday, January 8
First classes meet, 8 a.m.	Monday, January 11
Last day for late registration, changing or adding courses	Friday, January 15
Martin Luther King, Jr., Holiday	Monday, January 18
Last day for semester-fee students (only) to drop below 12 hours and receive partial-tuition refund	Friday, January 15
Last day to withdraw from class and receive:	
100% tuition refund	Friday, January 15
75% tuition refund	Monday, January 25
50% tuition refund	Monday, February 1
25% tuition refund (No refunds after this date)	Monday, February 8
Mid-semester reports of unsatisfactory work due in the Office of the Registrar, 9 a.m.	Wednesday, March 3
Last day students may withdraw from a class	Thursday, March 11
Last day for electing Pass/No-Credit grading option	Friday, March 12
Spring Recess:	
Classes recess, 10 p.m.	Friday, March 12
Classes resume, 8 a.m.	Monday, March 22
Good Friday Recess:	
Classes recess, 10 p.m.	Thursday, April 1
Classes resume, 8 a.m.	Monday, April 5
Schedule advising for summer session and fall semester	Monday-Friday, March 22-26 Monday-Wednesday, March 29-31 Monday-Tuesday, April 5-6 Monday-Wednesday, March 29-31 Monday-Friday, April 5-9
Advance registration for fall semester	Monday-Wednesday, March 29-31 Monday-Friday, April 5-9
Last day of classes	Wednesday, April 28
Study days	Thursday-Friday, April 29-30
Final Examinations	Monday-Friday, May 3-7
Baccalaureate and Commencement	Saturday, May 8
Residence halls close	Saturday, May 8

**Summer Semester 2010**

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3Wk & 8 Wk Term Begins	Monday, May 10
Memorial Day Holiday	Monday, May 31
Three Week Term Ends	Friday, May 28
1st 5 Wk Term Begins	Tuesday, June 1
Independence Day Holiday	Monday, July 5
1st 5 Wk & 8 Wk Term Ends	Friday, July 2
1st 4 Wk Term Begins	Tuesday, July 6
1st 4 Wk Term Ends	Friday, July 30

## About TCU

Texas Christian University 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:

1. 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.
2. 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.
3. 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.
4. 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. The University 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.

Comprising seven academic divisions—AddRan College of Liberal Arts, M.J. Neeley School of Business, the College of Communication, the College of Education, the College of Fine Arts, Harris College of Nursing & Health Sciences, and the College of Science & Engineering—TCU is independent and self-governing.

Nationally recognized Division I-A athletics contributes to the vital collegiality of the campus. Of the 20 sports—football and baseball for men; volleyball, rifle, equestrian, and soccer for women; and basketball, cross country, track, tennis, golf, and swimming and diving for men and women—several are ranked in the nation's Top 25.

International study, an institutional priority at TCU, provides students an opportunity to live and learn abroad. The Center for International Studies: TCU Abroad offers a wide range of academic programs, including summer courses led by TCU faculty members and semester programs in London, Seville and Florence. Other study abroad opportunities include partner programs and exchange programs in various locations around the world.

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 Couts Burnett.

With a controlled enrollment of about 8,700 students, TCU draws from all 50 states and more than 75 countries. Of the 479 full-time faculty, 54 percent are tenured; the student-faculty ratio is about 14:1. The 283-acre campus, located only a few miles from downtown Fort Worth, houses more than 3,300 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.

## Academic Organization

TCU is composed of seven academic units offering undergraduate bachelor's degrees in 101 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 Liberal Arts and the College of Science & Engineering, for a broad, liberal arts-based educational background in the humanities, natural and social sciences.

### The M.J. Neeley School of Business

The M.J. Neeley School of Business at TCU prepares students to contribute to the professional world and the larger community through emphasis on a balanced curriculum. A unified program provides a solid knowledge base upon which students add principles of accounting, decision sciences, finance, management, marketing, 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, Department of Communication Studies and Department of Film, Television, and Digital Media, students learn to apply their classroom experiences. Located in the eighth largest media market in the United States, graduates find ample opportunity to develop their skills in their desired fields. Personal counseling and relatively small classes allow the faculty to give attention to the work of each student.

### College of Education

The College of Education offers programs to prepare teachers, counselors and administrators who serve children from pre-school through college. Undergraduate programs prepare teachers for certification in early childhood through grade 6, composite and academic subjects in middle and high school, 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, the School for Classical and Contemporary Dance, and the departments of Art and Art History; Design, Merchandising and Textiles; and Theatre. These academic programs exact an appropriate balance between professional training and liberal arts studies. Small classes allow the faculty to give personal attention to the work of each student.

### AddRan College of Liberal Arts

AddRan College of Liberal Arts 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 find flexibility and freedom balanced by structure and discipline.

### Harris College of Nursing & Health Sciences

Harris College of Nursing & Health Sciences unites Nursing, the School of Nurse Anesthesia, Doctor of Nursing Practice, and three departments—Communication Sciences and Disorders, Kinesiology 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, Environmental Science, Geology, Mathematics, Nutritional Sciences, Physics and Astronomy, and Psychology, the college offers the Bachelor of Science degree with majors in eighteen fields of study and the Bachelor of Arts degree with majors in seven fields. The college also administers the Pre-Health Professions programs (pre-dentistry, pre-medicine, pre-veterinary medicine).

### Ranch Management Program

Three options for study in ranch management are available. First, a study of all phases of ranch management is offered through a full-time certificate 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 Bachelor of Science degree in ranch management is available.

Thirdly, a student may obtain a degree from TCU in a discipline other than ranch management and utilize the ranch management certificate program as a minor to meet graduation requirements.

### Office of Extended Education

The mission of the Office of Extended Education is to engage the University with the community through high-quality courses, programs, conferences and other offerings that seek to educate, enlighten, renew and serve. Non-degree admissions, community courses, certificate programs, professional development workshops and selected summer institutes are coordinated through this office.

## Mission, Vision and Values

### Mission

Texas Christian University educates individuals to think and act as ethical leaders and responsible citizens in the global community.

### Vision

TCU's vision is to be a prominent private university recognized for its global perspective, diverse and supportive learning community, commitment to research and creative discovery, and emphasis on leadership development.

### Values

TCU strives to create a world-class, values-centered university experience for all students.

### Heritage, Philosophy and Goals

Founded in 1873, TCU 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 the TCU's 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 that prompts and rewards individual initiative. TCU has a 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, the University believes that questions of value are vital and 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 the enrichment of the community and humankind.

TCU provides undergraduate and graduate instruction in a vital and inviting residential setting for learning and living.

The University intends 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. There must be a general compatibility among the values and daily practices of the University and its several units.

Among TCU's many goals are to:

- Conduct curricular and co-curricular activities designed to fulfill the mission and vision of the University.
- Foster undergraduate and graduate studies of excellent quality.
- Provide faculty and staff of high qualification and dedication.
- Expect and encourage excellent teaching and fruitful creativity and research.
- Preserve and contribute to knowledge by aiding in its organization, storage, retrieval and dispersal; and to use appropriate technology to this end.
- Employ admission, advising and retention policies that enable qualified and dedicated students to enter and successfully pursue their collegiate work.
- Provide a variety of support services that enhance the educational experience of all students.
- Promote the development of mature individuals who respect others; cherish a free and just society; and are prepared to act as responsible citizens, literate, broadly informed, self-educating, appreciative of the arts and the fruitful uses of leisure, and capable of both entering and changing careers.
- Support co-curricular as well as curricular opportunities for an informed understanding of religious tradition.
- 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.
- 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.

## Accreditations

Accreditations provide evidence of TCU's high educational standards. Throughout the higher education system, numerous examining bodies—boards, agencies and commissions—attest annually the credibility of a University's education program. These bodies review and assess the worth 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; 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.
- Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD, 21202-4012, telephone: (410) 347-7700. (Engineering program, Department of Engineering)
  - Accrediting Council on Education in Journalism and Mass Communication (Schieffer School of Journalism)
  - American Chemical Society (Department of Chemistry)
  - ASHA Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) (Department of Communication Sciences and Disorders)
  - Association of Graduate Liberal Arts Programs (MLA Program)
  - Association to Advance Collegiate Schools of Business (M. J. Neeley School of Business)
  - Association to Advance Collegiate Schools of Business-Accounting (Department of Accounting)
  - Commission on Accreditation of Athletic Training Education (CAATE) (Athletic Training Program)
  - Commission on Accreditation for Dietetics Education of The American Dietetic Association (Coordinated Program in Dietetics, Didactic Program in Dietetics and Department of Nutritional Sciences)
  - Commission on Collegiate Nursing Education (CCNE) (Nursing)
  - Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (BS in 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 (COA) (School of Nurse Anesthesia)
  - Council on Social Work Education (CSWE) (Department of Social Work)
  - National Association for the Education of Young Children (KinderFrogs)
  - National Association of Schools of Art and Design (Department of Art and Art History, and Interior Design in the Department of Design, Merchandising and Textiles)
  - National Association of Schools of Dance (School for Classical and Contemporary Dance)
  - 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 Board of Nursing (BON) (Nursing)
  - Texas Education Association (College of Education)

## Finances

### Tuition and Fees

An independent church-related institution of higher education, Texas Christian University is chartered as a private nonprofit corporation financed by gifts from alumni and friends, endowment earnings, and 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 are usually available 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

A large program of scholarships and financial aid helps some 75 percent of the student body with educational costs each year. For more information, see Student Financial Aid on page 13 in this catalog or visit the Office of Scholarships and Student Financial Aid online at [www.financialaid.tcu.edu](http://www.financialaid.tcu.edu).

### Payment

TCU 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 percent 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 10th 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 15th class day, and a 25 percent tuition refund is made if withdrawal is made on or before the 20th 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 is 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 10th class day receives 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 15th class day receives a refund for 50 percent of the difference. A student who drops to less than 12 hours on or before the 20th class day receives 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 10th 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 15th class day, and a 25 percent tuition refund is made if withdrawal is made on or before the 20th class day.

### Return of Federal Financial Aid

A student who withdraws from the University before the 60 percent 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 Office of Scholarships and Student Financial Aid.

# Admission

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/colleges and requests for further information should be addressed to the Office of Admission, Sadler Hall Room 112; the mailing address is:

**Office of Admission**  
Texas Christian University  
TCU Box 297013  
Fort Worth, TX 76129

Non-degree students should contact:

**Office of Extended Education**  
Texas Christian University  
TCU Box 297026  
Fort Worth, TX 76129

## Admission 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 TCU 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 or sophomore 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 the section in this catalog titled International Student Admission on page 11.

### Examination and Portfolio Assessment Credit - Detail

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 in this catalog titled Bachelor Degree Requirements on page 42.

The credit by examination procedures are reviewed and updated annually. A current brochure is available from the Office of Admission; information is also available online at [www.admissions.tcu.edu](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 may be obtained by contacting Office of Extended Education at 817.257.7130.

### Military Service Credit Admission Information

The University follows, with limitations, the recommendations of the American Council on Education (ACE) 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:

- Certified original of the DD Form 295, or
- Copy of the DD Form 214, or
- Course completion certificates, or
- A Community College of the Air Force transcript.

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

### Nonresidential Coursework

The University examines all nonresidential learning experiences and grants credit on a case-by-case basis.

## Undergraduate Student Admission

### Freshmen 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:

- Completed application form;
- Official secondary school transcript;
- SAT or ACT scores;
- \$40 application fee;
- Essay and résumé of activities; and
- 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 1 (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 four units of English, three units of mathematics (including two units of algebra and one of geometry), three units of science (including one laboratory science), three units of social studies, two units of foreign language and two 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.
6. *Special Talents.* Special consideration will be given to admission of students with special talents whose application profiles diverge from the general population of students admitted and enrolled, including, but not limited to, artists, athletes, dancers, musicians, poets, and others who demonstrate exceptional ability or potential in their chosen academic, athletic or other area of interest. Special Talent admission decisions will be made by committees or admission officers empowered by the Chancellor.

## 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:

- Completed application form;
- Official transcripts from each college attended;
- \$40 application fee; and
- 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:

- Cumulative GPA;
- Quality of curriculum;
- Number of hours and GPA in core subjects;
- High school record and test results (if possessing fewer than 24 transferable semester hours at the time of application);
- Extracurricular activities, achievements and honors; and
- 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 2.00 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 GPA 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.

Special consideration will be given to admission of students with special talents whose application profiles diverge from the general population of students admitted and enrolled, including artists, athletes, musicians, poets, as well as others who demonstrate exceptional ability in their chosen academic, athletic or other area of interest. Special Talent admission decisions will be made by a committee empowered by the Chancellor.

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:

- Courses in which a grade lower than "C" was earned;
- Courses considered to be developmental (e.g., orientation, time management, library skills) or remedial (e.g., those in English, math and reading); and

- 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 eight 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:

- 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.
- No more than 12 total 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.

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 & Health Sciences or the College of Education should refer to those special requirements set forth in the appropriate programmatic sections of this catalog.

## International Students

International (non-immigrant) undergraduate applicants for admission to TCU must demonstrate:

- 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 in this catalog titled Re-enrollment of Former Students on page 12.
- 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 10 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 United States.

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 two years 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:

**Office of International Admission**  
Texas Christian University  
TCU Box 297013,  
Fort Worth, TX 76129, U.S.A.

or by calling 817.257.7871 or sending a fax to 817.257.5256.

### 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:

- Taking only ROTC at TCU and enrolled at another college or university;
- Seeking ranch management certification;
- Seeking only teacher certification;
- With an undergraduate degree desiring additional undergraduate coursework;
- Applying as summer visiting students; and
- 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:

- Are 22 years of age or older with a high school diploma and/or equivalency diploma based on the GED;
- Are in good standing at all colleges where they are currently enrolled or have ever been enrolled; and
- Have not been previously denied admission or readmission to TCU.

A limited enrollment student may not enroll in more than six semester hours of coursework per semester or three hours per summer session. Exceptions must be approved by the Office of Extended Education. A maximum of 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.

### 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 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 on page 12). 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. (Refer to the section titled Requirements for Graduation in this catalog on page 42.)

### 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. (Refer to the section titled Academic Probation and Suspension in this catalog on page 41.)

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 10-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.

### 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 refer to the sections titled Re-Enrollment of Former Students on page 12 and Additional Bachelor's Degree on page 43 in The Bachelor's Degree section of this catalog. The student's entire academic record, as well as credentials submitted with the application, will be assessed prior to an admission decision.

# Student Financial Aid

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. These principles are:

- Financing a university education is a joint venture between the family and TCU.
- Eligibility for Title IV federal financial assistance, TCU-funded and state financial aid programs is based upon information on the Free Application for Federal Student Aid (FAFSA), as provided by the family.
- Academic scholarships are based upon the academic achievement of the students. Those who have excelled academically are 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 FAFSA no later than May 1 for fall entry and November 1 for spring entry. The FAFSA is available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). 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, student-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, TX 76129  
817.257.7858

## Financial Aid General Policies

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 that will exceed their eligibility. Any student who has been "over-awarded" will have his/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 the 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 GPA of 2.5 or better and must register for at least 12 semester hours, unless the aid is designated for part-time students. Note: Twenty-four semester hours of "letter-grade" credits each academic year (fall/spring) are required for academic scholarship renewal. See renewal requirements in the section titled Academic Scholarships on page 13 in this catalog.
11. To be eligible for federal and state aid, a student must have a TCU cumulative GPA 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 is offered on a pro-rated basis. The student must register for at least six hours of credit.
15. Students participating in the TCU London Centre 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 the student receives TCU credit for the study abroad coursework.

## 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.

Specific renewal requirements common to all academic awards are:

- Successful completion of 24 semester hours of "letter-grade" TCU coursework each academic year (fall and spring). Note: Summer courses do not satisfy the requirement.
- 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.
- "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) do not count toward satisfying requirements.
- Duration of freshman awards is eight semesters or 128 TCU semester hours, whichever occurs first.

**Chancellor Scholarship**

Amount: Full tuition for up to 18 hours per semester for up to eight undergraduate semesters. Total value in excess of \$113,000.

**Deans Scholarship**

Amount: \$13,000 per year for up to eight undergraduate semesters. Total value \$52,000.

**Faculty Scholarship**

Amount: \$10,000 per year for up to eight undergraduate semesters. Total value \$40,000.

**TCU Scholarship**

Amount: \$7,000 per year for up to eight undergraduate semesters. Total value \$28,000.

**National Merit**

**National Achievement**

**National Hispanic**

Amount: \$2,000 per year for up to eight undergraduate semesters. Total value \$8,000.

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 the institutional merit scholarship does not exceed the cost of tuition at TCU.

**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 coursework. Other factors that are considered include strength of curriculum, GPA earned during the last 30 hours of coursework, communication skills and extra-curricular activities. Scholarship renewal is based on the successful completion of at least 24 hours of letter-grade coursework 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 four undergraduate semesters. Total value in excess of \$56,500.

Note: Candidates must have completed either their associate's degree from a community/junior college or at least 64 transferable hours of senior/junior college coursework by June 1.

**Transfer Deans Scholarship**

Amount: \$13,000 per year for up to six undergraduate semesters. Total value \$39,000.

**Transfer Faculty Scholarship**

Amount: \$10,000 per year for up to six undergraduate semesters. Total value \$30,000.

**Transfer TCU Scholarship**

Amount: \$7,000 per year for up to six undergraduate semesters. Total value \$21,000.

**Phi Theta Kappa Alumni Scholarship**

Amount \$7,250 per year for up to six undergraduate semesters. Total value of \$21,750.

Note: Active PTK membership is also a prerequisite for this TCU-sponsored award.

**TCC/TCU Cornerstone Scholarship**

Amount: \$13,250 per year for up to four undergraduate semesters. Total value \$26,500.

Note: This scholarship is awarded to select top Tarrant County College Cornerstone Scholars. Candidates must have completed the program at TCC with two years of 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 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 that 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 Scholarships**

Scholarships for student-athletes are granted in accordance with NCAA and Mountain West Conference regulations. Student-athletes applying for financial aid from federal, state, or other TCU funded sources must meet additional eligibility requirements specific to those programs.

**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**

Texas Christian University  
TCU Box 298000  
Fort Worth, TX 76129

**Band Awards**

Funds are available to some members of the Horned Frog Band. The amount of the award depends 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 award 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 FAFSA.

**Beasley Foundation Grants**

These grants are for members of the Disciples of Christ affiliation 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. 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. FAFSA must be received by May 1 for priority funding.

### **Bermont Family Undergraduate Jewish Student Scholarship**

This scholarship is for entering freshmen or transfer students who are Jewish. Preference is given to student applicants who demonstrate financial need as evidenced by the 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. 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, 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 is required. 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 must recertify 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 reviews the recertification. Award decisions are based on several factors, including academic record, applicant's essay and letter of recommendation. Financial eligibility, as demonstrated by the FAFSA, is considered, although it is not a prerequisite for receiving the 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. Those recipients who are enrolled in a graduate theological program or are employed full-time in a church will have 25 percent of their loan forgiven per year. Applications for a church vocation loan may be obtained from the Grant section of [www.financialaid.tcu.edu](http://www.financialaid.tcu.edu).

Applications must be received by May 1 each year.

### **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.

Applications must be received by May 1 each year.

### **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 students attending TCU. Included are:

- Spouses of full-time students of Brite Divinity School, the graduate seminary;
- 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);
- Spouses of full-time Christian church (Disciples of Christ) ministers; and
- 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 received 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 the section titled Student Financial Aid General Policies in this catalog, 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 \$400 to \$5,350.

### **Federal Supplemental Educational Opportunity Grant (SEOG)**

This is a federally funded grant for undergraduate students only. The average SEOG award at TCU is approximately \$500 per academic year. All SEOG awards are dependent on the funding levels approved by federal government appropriations and awards to the institutions. Priority is given to students who qualify for the Federal Pell Grant.

### **Academic Competitiveness Grant (ACG)**

This is a federally funded grant for undergraduate students in their first or second academic year of study, who have successfully completed a rigorous high school program after January 1, 2006. Recipients must be a U.S. citizen, eligible for a Pell Grant in the award year and have need eligibility. Second-year recipients must have a minimum cumulative GPA of 3.0. First academic year award is \$750; second academic year award is \$1,300.

### **National Science and Mathematics Access to Retain Talent (SMART)**

This is a federally funded grant for undergraduate students in their third or fourth academic year of an eligible program of study. Recipients must be a U.S. citizen, eligible to receive a Pell Grant in the award year, have need eligibility, and be enrolled in an eligible major in at least one of the following fields of study: computer science, engineering, critical foreign language, life sciences, mathematics, physical sciences and technology. Recipients must have a minimum cumulative GPA of 3.0. Awards are \$4,000 per year.

### **Teacher Education Assistance for College and Higher Education (TEACH) Grant**

This is a federally funded program for students preparing to teach full-time in a low-income elementary or secondary school (as defined by The Department of Education) and in a high-need field (as listed by The Department of Education), which include teaching areas such as science, math, foreign language, Special Education, etc.) for a period of four years. Recipients are required to complete mandatory counseling sessions as well as sign an Agreement to Serve. Failure to meet all requirements of the TEACH Grant Program results in the TEACH Grant being converted to a Federal Direct Unsubsidized Stafford Loan with interest. Grants vary, up to \$4000 per year. Additional information regarding the TEACH Grant can also be found at <http://www.studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp>.

## **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 the section titled Student Financial Aid General Policies in this catalog, 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 \$5,000.

### **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. Awards vary, generally between \$200 and \$3,800. TCU participates in this program. To qualify, a student must:

- Be a Texas resident as defined by the Texas Higher Education Coordinating Board;
- Establish financial eligibility as evidenced by the FAFSA;
- Not be the recipient of an athletic scholarship during the semester the student is receiving the TEG; and
- 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:

- Have received his/her first TEXAS Grant prior to September 1, 2005;
- Be a Texas resident as defined by the Texas Higher Education Coordinating Board;
- Establish financial eligibility as evidenced by the FAFSA;
- Successfully complete 75 percent of full-time hours with a TCU cumulative GPA of 2.5;
- Not be convicted of a felony or a crime involving a controlled substance; and
- Enroll at least 3/4-time in an undergraduate degree or certificate program within 16 months of high school graduation.

## **Non-Traditional Student Award Programs**

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 Room 108; 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 catalog.

#### **Personal/Professional Development Grant**

Awards are available to qualified part-time, independent students at least 22 years of age. This first-come, first-serve 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. Applications are available at [www.financialaid.tcu.edu/grants\\_special.asp](http://www.financialaid.tcu.edu/grants_special.asp).

#### **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 at [www.financialaid.tcu.edu/grants\\_special.asp](http://www.financialaid.tcu.edu/grants_special.asp).

#### **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 at [www.financialaid.tcu.edu/grants\\_special.asp](http://www.financialaid.tcu.edu/grants_special.asp).

## **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 Program award, the applicant must have financial eligibility as evidenced by the 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"; new users should click on the "Click Here to Register" link. Once a student finds a position in which he/she is 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 Texas College Work/Study Program award, the applicant must have financial eligibility as evidenced by the 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"; new users should click on the "Click Here to Register" link. Once a student finds a position in which he/she is 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"; new users should click on the "Click Here to Register" link. Once a student finds a position in which he/she is 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 Office of Career Services provides assistance in helping students locate these types of employment opportunities.

#### **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 (BOT) Loan is a state loan program with possibilities for loan forgiveness. This is a no-interest loan with a 3 percent 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 six hours above what is required to complete the degree, with a cumulative GPA of 3.0 or higher. Applicants must have graduated from high school in 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 over a period of up to 15 years. Payment begins six 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. PLEASE NOTE: As of 2006-07, the state of Texas has authorized renewal awards only for the Be-On-Time Loan Program.

### **Federal Carl Perkins Student Loan**

TCU is the lender; eligibility is determined by the FAFSA, and funding is limited. This program has a fixed interest rate of 5 percent. No payment of principal or interest is required nor does the interest accrue until one ceases to be a half-time student (normally carrying six semester hours). Repayment begins nine months after one is no longer enrolled at least half-time. One may pre-pay (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 10 years. A signed promissory note is required.

### **Nursing Student Loan**

TCU is the lender; eligibility is determined by the FAFSA; funding is limited. This program has a fixed interest rate of 5 percent. 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 six 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 10 years.

### **Federal Stafford Student Loan**

Eligibility is determined by the FAFSA. 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. Interest rate for 2009-12 is 5.6 percent for undergraduates. Normally, the repayment period for the loan is 10 years. The federal government pays the interest on Subsidized Stafford loans during the period of at least half-time enrollment and during the six-month grace period.

Undergraduate students may borrow up to \$3,500 during the first year of study, \$4,500 during the second year of study and \$5,500 per year for subsequent years of study to a maximum of \$31,000. Repayment begins six months after the student is no longer enrolled at least half time. The lender may deduct an origination fee up to 1/2 of one percent 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. Interest rate for 2009-12 is 6.8 percent for undergraduates. Terms are the same as for the Subsidized Stafford Loan 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 the Subsidized Stafford Loan with the Unsubsidized Stafford Loan: \$5,500 during the first year of study, \$6,500 per year during the second year of study, and \$7,500 per year for subsequent years of study to a maximum of \$31,000. The lender may deduct an origination fee up to 1/2 of one percent from the proceeds of the loan at the time of disbursement.

Independent undergraduate students may borrow up to the following maximums by combining the Subsidized Stafford Loan with the Unsubsidized Stafford Student Loan: \$9,500 during the first year of study, \$10,500 during the second year of study and \$12,500 per year for subsequent years of study to a maximum of \$57,500. The lender may deduct an origination fee up to 1/2 of one percent 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 who are enrolled full time. Financial need is not required, but applicants must submit the FAFSA. A credit-worthy cosigner may be required. Loan amounts are limited each year based on the state's allocated amount to TCU, and are limited to a maximum aggregate of \$45,000. This program has a 6 percent fixed simple interest rate. Interest begins accruing on 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.

### **Federal Parent Loan for Undergraduate Students**

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 percent 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 10 years in repayment. The loan has a 3 percent origination fee, which will be deducted from the disbursement. Most lenders offer postponement of payments until the student graduates or ceases to be enrolled 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 GPA. The maximum borrowing is \$2,400 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 reviews 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 by completing the application form, which may be obtained at [www.financialaid.tcu.edu/grants\\_special.asp](http://www.financialaid.tcu.edu/grants_special.asp). 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.

### **Big Brothers Big Sisters of Tarrant County Scholarship**

TCU students who currently serve 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 percent of their high school class. Transfer students and current TCU students must have a GPA 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 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 \$4,000.

### **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 Centre Study Grant**

Award for degree-seeking students with financial eligibility enrolling in the TCU London Centre. 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 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**

The Office of the Registrar assists individuals eligible for veteran educational assistance benefits.

**Vocational Rehabilitation**

The Texas Rehabilitation Commission (TRC) offers assistance for tuition and nonrefundable 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 services 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 cumulative GPA 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 academic probation will be reviewed at the conclusion of each academic semester. (See Sections I, II, III.)

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 percent 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 cumulative 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 six hours per semester.
- B. Maintain a TCU cumulative GPA 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 percent of the hours enrolled. (See Section V.)
- B. Maintain a TCU cumulative GPA of at least 2.0 on hours completed.
- C. Not be on academic probation.

**Section IV: Less Than Half-Time Undergraduate Student (1-5 hours/semester)**

- A. Complete and receive academic credit for all courses for which enrolled. (See Section V.)
- B. Maintain a TCU cumulative GPA of at least 2.0 on the hours completed.
- C. Not be on academic probation.

**Section V: Criteria Used to Evaluate Grades**

Grades are reviewed at the end of the spring term. Students who do not obtain a minimum TCU cumulative GPA of 2.00 will be placed on financial aid warning for the following fall semester. During the probation, students must work to achieve the scores needed to bring the cumulative GPA to 2.00 by the end of that semester. Failure to do so will result in loss of financial aid.

The following will be counted as credits completed: "A" through "D" grades and "P".

The following will not be considered as credits completed: "F" grade, "W" or "Q", "I", and "AU"; Advanced Placement (AP); College Level Examination (CLEP); College Board Achievement Tests in Foreign Language (ACH).

Repeated courses will be counted as credits completed. However, University academic policy limits the number of repeated classes allowed by major. Students should contact their academic adviser for additional information. Incomplete classes will not be counted until a grade is posted.

**Section VI: Schedule of Completion of Degree Requirements—Full-Time Student**

Satisfactory completion of academic work for receipt of financial aid is also measured in annual increments beginning with the fall semester.

A student who completes fewer than the required number of hours for any increment may attend summer school to re-establish eligibility for financial aid for the following semester. *Aid may then be awarded on a funds-available basis.* If intending to transfer work to TCU, the individual's academic dean must approve the coursework as applicable toward a TCU degree. Full-time students may receive financial aid up to 186 attempted hours. An extension of this time limit may be requested. Decisions will be based on an individual review. It is the student's responsibility to notify The Office of Financial Aid when additional hours are completed.

**Section VII: Schedule of Completion of Degree Requirements—Part-Time Student**

A student who has registered as a part-time student (11 semester hours or fewer) in at least two of the last four semesters, excluding summer school, may receive financial aid up to 186 attempted hours. An extension of this limit may be requested. Decisions will be based on an individual review.

**Section VIII: 150 Percent Completion Rule**

Federal regulation stipulates a maximum timeframe for federal aid eligibility. Students may receive federal funding for a maximum of 150% of the published length of their degree. This includes attempted and transferred hours even if the credit received is not applicable to

the degree. The rule applies to credits for which the student personally paid as well as credits covered by financial aid. Therefore, for a standard 125 hour degree, students may receive financial aid for a maximum of 186 attempted credit hours. For those students whose degree requires more than 125 hours, please contact our office for individual review.

#### **Section IX: Financial Assistance Probation**

A student is expected to maintain satisfactory academic progress as defined in Section(s) I, II and III while in attendance. If a student does not progress at the required rate, he/she will be placed on financial aid probation. Should the student not obtain the required elements to remove himself/herself from probation or if the student is placed on academic probation or continued on academic probation a second time, the student will then be placed on financial assistance suspension (see Section X).

#### **Section X: 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 XI: Appeals Procedure**

If a student is denied financial aid because of lack of satisfactory academic progress, he/she may appeal the denial of assistance. The student must make the appeal in writing to the Scholarship Advisory Committee. The committee will meet in mid-July and mid-August to review appeals for the fall semester. Appeals and supporting documents not received by July 1 and August 1 will not be accepted. The committee will meet in early January to review appeals for the spring semester. Appeals and supporting documents not received by January 6 will not be accepted. The student will be notified of the decision as soon as possible after the committee meets.

Students who receive a grade change are not required to submit a formal appeal. Please notify the Office of Financial Aid of the change, and the office will review for satisfactory progress using the updated grade.

In general, the appeals committee is interested in knowing what, if any, mitigating circumstances interfered with your ability to make academic progress. Examples include, but are not limited to, medical conditions, family emergencies and emotional issues. In all cases, proper documentation is required for consideration.

#### **Section XII: Reinstatement of Aid**

Appeals may result in one of three outcomes:

- Approval -- Aid is reinstated without conditions.
- Denied -- If the appeal is not approved or if 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 GPA, the student must also satisfy the requirement of the "Schedule of Degree Requirements" (see Sections 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-entrance. Renewal of aid for the next semester will be based upon compliance with Sections I, II, and III with the exception of subsection A on each section.
- Provisionally approved -- The committee may decide to temporarily reinstate aid, with conditions. For example, a student may have aid reinstated for fall semester, but be required to obtain a certain GPA prior to reinstating for spring.

#### **Section: XIII**

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.

# Academic Services and Support

## 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 adviser at least once each semester to plan future coursework. In these meetings, students and advisers 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 four 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 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 adviser, the student and the student's progress in his/her academic career.

The student-adviser relationship is one of shared expectations and responsibilities. Consequently, advising activities will depend on the needs of the student and on his/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) are 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 are advised in the department of the major or by professional staff in the school/college of that major. When students declare a major, they are referred to the major department and school/college for future advising.

A quality advising relationship requires a dedicated adviser and a prepared student. The student must initiate advising activities, define the need of advising activity, and be prepared to take responsibility for his/her academic and career goals as well as his/her academic performance. Prior to seeing their advisers, students should become familiar with degree and major requirements for programs of interest and courses in which they wish to enroll. Advisers will answer questions and make suggestions, but the student must assume full responsibility for satisfying all program and degree requirements.

### Advising Process

At the beginning of the first semester, students are assigned an academic adviser in the department of their major. Students may be assigned to either faculty or professional advisers, depending on the department or school/college. Pre-majors are advised through the Center for Academic Services until a major is declared. Pre-major advisers are knowledgeable about a *wide range of academic programs* and can assist students in identifying an appropriate major/minor. All students who have 54 or more earned hours must have a declared major.

The actual number of times a student should meet with his/her adviser each semester depends on the adviser, the student, the student's program and the student's progress in his/her academic career. All students should confer with their advisers at least once each semester during schedule advising. Students may also want to meet with their advisers to discuss degree requirements, selection of a minor, internship opportunities, academic progress, etc.

Students meet with their advisers before registering for classes each semester, but are encouraged to *confer* with them anytime that academic concerns arise during the year.

In preparation for the Schedule Advising, students should:

- Give thoughtful consideration to their personal, educational and career goals, and reevaluate these goals as necessary.

- Acquire a basic familiarity with their own academic program, including all applicable requirements and policies.
- Give advance consideration to a tentative schedule of classes each semester prior to their advising conference. This should include reading a description of every course under consideration, including whether or not there are prerequisites or whether or not the course will count toward the TCU Core Curriculum.
- Ask questions if they feel they have received insufficient or confusing information.
- Provide timely notice and information concerning any academic problems encountered.
- Read carefully and make appropriate responses to all communications from their school/college office, the Center for Academic Services, their adviser, Office of Campus Life and Office of the Registrar.
- Provide timely notice of any change of address or telephone number to the Office of the Registrar and their academic adviser.
- Allot an adequate amount of time to meet with their adviser.
- Accept responsibility for their choices and decisions.

By following these guidelines, the student and adviser can successfully navigate the academic maze of career choices, major requirements and other expectations.

## 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:

- Coordinates academic advising for pre-majors (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 AddRan College of Liberal Arts and the Department of Design, Merchandising and Textiles (College of Fine Arts);
- Coordinates 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 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 and community agencies; and
- Facilitates disabilities services for students meeting policy and procedure requirements. (Refer to Disabilities Policy and Procedures on page 20.)

Students who do not meet academic standards or who want to improve academic skills and performance are encouraged to visit the center.

## Disabilities Policy and Procedures

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 has a physical or mental impairment that substantially limits a major life activity, a record or history of such an impairment, or 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 of Student Disabilities Services. 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.

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, at TCU Box 297090, Fort Worth, TX 76129.

The coordinator, Student Disabilities Services, may be contacted in the Center for Academic Services, Sadler Hall Room 11 or 817.257.7486.

## 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 10 PCs in the center's computer lab are available for use by any TCU student during normal office hours.

Located in Suite 244 of the Rickel Academic Wing of the University Recreation Center, the Center for Writing is open Monday through Friday from 8 a.m. to 5 p.m. Students may make appointments by accessing an online scheduling service through the center's Web site ([www.wrt.tcu.edu](http://www.wrt.tcu.edu)) or by calling 817.257.7221. Students may also use the Center for Writing's annex at the library Monday through Friday 2-5 p.m. and Sunday through Thursday 6-9 p.m. Those who wish to submit a paper online may do so via the center's Web site. A consultant will read the paper and offer feedback within 48 hours.

## University Programs Courses

### UNPR 10001 - Self Assessment and Career Exploration

This course provides opportunities for premajors to assess abilities, interests, values, and personality; meet with faculty from a variety of potential major and minor fields; learn about the decision-making process and factors related to choosing a major/career;

### UNPR 10523 - Planning for College Success

Prerequisite: must be a college freshman. This survey course emphasizes the development of skills to foster success in the transition to college, focusing on self-awareness, academic skills, and awareness of diversity issues. It is a content-based course that helps students develop skills for finding and using available resources to experience success during their college career. Students are exposed to resources on campus and in the community that will help them have a successful college experience from academic and co-curricular perspectives.

### UNPR 30002 - Professional Careers: Planning & Decision-making

Prerequisites: Junior status, or permission of instructor. This team-taught course is to acquaint students with decision-making skills related to career development, with emphasis on those who will enter professional sports or the performing arts. It emphasizes financial negotiations; transactions and investments; career development; and life skills and problems.

## Mary Coats Burnett Library

Mary Coats Burnett Library provides information resources for inquiry, intellectual discovery and the development of lifelong learning skills in a people-centered environment. Students and faculty have access to more than 1 million books, CDs, DVDs, videos and nearly 24,000 current journals, electronically and in paper. More than 300 databases, many that include the full text of journal articles, are available 24 hours a day via the library's Web site ([library.tcu.edu](http://library.tcu.edu)). Examples of popular databases are Lexis Nexis, Business Source Complete, PsychINFO and ScienceDirect.

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, U.S. and European Union 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 providing library and research assistance are available in the Information Commons area of the library. They can be contacted in person, by phone, by e-mail or by live text messaging as described at [lib.tcu.edu/www.eref/AskAQuestion.asp](http://lib.tcu.edu/www.eref/AskAQuestion.asp). The reference librarians are regularly teaching courses on using the library's resources and are willing to schedule individual consultation appointments for more in-depth research assistance.

The library is open 24 hours, five days a week, and provides different environments for studying, including group study rooms and various "quiet zones" throughout the building. The scholarly materials are supplemented by the popular reading or best-seller authors collection located next to Bistro Burnett, where students can enjoy coffee and a variety of refreshments.

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. TCU's membership in TexShare enables TCU faculty and students to obtain borrowing privileges from more than 150 academic libraries throughout Texas.

### Information Commons

The Information Commons, located in the Mary Coats Burnett Library, incorporates library reference services, computing support from Technology Resources and an annex of the William L. Adams Center for Writing. The Information Commons lab includes more than 110 Windows and Macintosh desktop computers equipped with scanners and other specialized hardware and software for working on multimedia projects. Several high-speed black-and-white and color laser printers provide printing abilities for all of the computers in the Information Commons. Fifty wireless laptops can be checked out for use within the library. In addition, six "Frog Pods" are available by reservation for work on group projects. The pods are equipped with computers and wireless keyboards and mice; two of the pods include large video screens.

### Research Support

TCU is committed to creating a campus environment that supports and promotes superior research, premier creative activities and innovative scholarly pursuits.

The associate provost for academic affairs and the Office of Sponsored Research are dedicated to helping University faculty, staff and students continue building TCU's reputation as a nationally recognized scholarly institution.

Students who plan research and creative projects that require resources should consult with the Office of Sponsored Research about internal grant opportunities. As funding allows, students have been supported for research supplies and equipment, travel, and publications of their scholarly work.

The Festival of Student Scholarship and Creativity is a campus-wide week of celebration for student work. Hosted each April, usually in conjunction with Honors Week, the festival showcases student work in each college and school.

## Center for Instructional Services (Instructional Technology)

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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 comprises 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 ongoing 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 located in the Instructional Services Building (formerly known as the TAGER Building), 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.

## Technology Resources

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Technology Resources provides computing support for all levels of the University. A complete range of services include network and wireless connectivity throughout the campus, access to the Internet, library and specialized databases, business application programming and academic computing services, hardware repair, and software support and training. To request assistance for any computer-related problems or questions, contact the Computer Help Desk at 817.257.6855 or [help@tcu.edu](mailto:help@tcu.edu). The Technology Resources administrative office is located in the Sid W. Richardson Building Room 175, 817.257.7682.

## William H. Koehler Center for Teaching Excellence and eLearning Initiatives

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The mission of the William H. Koehler Center for Teaching Excellence is to support teaching and learning at TCU. The resources and activities of the Koehler Center 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 Koehler Center is dedicated to working with individual faculty and groups of faculty to design and implement meaningful learning opportunities and to facilitate ongoing, reflective participation in the scholarship of teaching and learning.

Elearning initiatives provide assistance in the planning, instructional design, instructional support and development of the use of technology in the classroom, as well as distance education environments. Training is provided in small groups or individually to meet faculty 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 Tucker Technology Center and Winton Scott Building on Bowie Street. For more 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 817.257.7434.

# Student Affairs Services

## 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 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, including residential services, health services, career services, dining services, parking services and public safety.

The following units and departments comprise the Division of Student Affairs, which is under the leadership of the vice chancellor for student affairs:

- Campus Activities (Brown-Lupton University Union, Fraternity-Sorority Affairs, Student Government Association);
- Campus Life (Educational Discipline, Brown Lupton Health Center, Health Promotions, Alcohol & Drug Education, Counseling, Crisis Response, Sexual Harassment, Electronic Usage Policy, Code of Student Conduct, Student Handbook, Yearbook);
- Center for Community Involvement and Service-Learning (Community Partners, TCU Leaps, Volunteer Fairs, Involved Service Network, Alternative Spring Break);
- Health Services (Health Center, Counseling Center, Psychological Services, Health Education);
- Inclusiveness and Intercultural Services (Inclusiveness Conference, Leadership Retreat for Students of Color, High School Conference, Mentoring for Students of Color Program, Intercultural Banquet);
- International Student Services (Pre-Arrival Services, Immigration, Orientation, Programming and Adjustment Issues, Working on Campus assistance);
- Residential Services (Housing and Residence Life, Dining Services);
- Student Affairs Information Services (Identification Card Center, Card Access);
- Religious and Spiritual Life (Religious Groups and Communities, Spiritual Health and Wellness, Religious Literacy and Education, Worship, Prayer and Pastoral Care and Advocacy, Activism and Relief Work);
- Student Development Services (Academic Orientation, Frog Camp, Transitions Program, Leadership Development, TCU Leadership Center, Men and Women's Programs and Student Organizations, Parents Program);
- University Career Services (Job Search Assistance, Developmental Programs, Resume Preparation, Graduate School Application Process)
- University Recreation Center (Intramurals/Sports Clubs, Outdoor Programs, Fitness and Wellness, Aquatics); and
- Campus Police (Security, Crime Prevention and Parking).

## Brown-Lupton University Union

The Brown-Lupton University Union is at the heart of the Campus Commons. Entertainment, educational and conference events take place in the Union throughout the year, which is home to 14 meeting rooms, the Horned Frog Ballroom, a 352-seat auditorium, a copy center, the TCU post office, the Corner Market, the Spirit Store and two food service venues—Market Square and 1873 Grill and Café.

The Union also houses the Heritage Center; a student organizations area; and the Governance Chamber for Student Government, Faculty Senate and Staff Assembly. The information desk, located in the Heritage Center, offers notary service, a lost and found, and a variety of ticket discounts to many Fort Worth/Dallas-area attractions. For more information, call 817.257.7927.

## Fraternity and Sorority Affairs

There are 32 fraternities and sororities recognized on the TCU campus. Eleven of these are Panhellenic sororities, 10 IFC fraternities, and five are National Pan-Hellenic fraternities and sororities. Additionally, there are three sororities and one fraternity that make up the multicultural Greek Council, each with its own recruitment/intake process. Additionally, one Christian fraternity and sorority are part of the TCU Greek community.

In late May/early June information is mailed out to all incoming TCU students with information about all these groups. Specific information can also be found at [www.greeks.tcu.edu](http://www.greeks.tcu.edu) or in the Office of Fraternity and Sorority Affairs.

## Campus Life

The dean of campus life and Office of Campus Life staff meet with students to assist in resolving any issues that might impede success during the TCU experience. The campus life deans assist with student emergencies by working with students and their families, and also liaison with faculty to assist students with academic concerns. There is a "Dean on Call" available by calling TCU Campus Police (827.257.7777) if an emergency occurs after regular business hours. The dean's office processes official University absences for faculty and verifies serious illnesses or family emergencies for students. Not all faculty require verification of illness; therefore, a student should always contact faculty when class is missed due to illness.

All campus life staff advise activities and organizations; consult with student leaders; and plan workshops, retreats and other campus-wide and organizational events. The dean of campus life is also the sexual harassment officer of the University. The Office of Campus Life is located in Sadler Hall Suite 101, and can be reached at 817.257.7926.

## Educational Discipline

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 and the TCU mission statement. 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 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.

A complete Code of Student Conduct, including the educational judicial process, is available in the Student Handbook and the office of the dean of campus life. The Bill of Student Rights and the Code of Student Conduct are printed in the Student Handbook. These documents guide the student discipline and grievance processes.

Specific examples of misconduct for which students may be subject to disciplinary action include, but are not limited to:

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 on page 33 for 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 on page 32 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.
20. Any act that violates the academic integrity of the institution (See Academic Conduct Policy on page 31).

A complete Code of Student Conduct, including disciplinary process is available in the TCU Student Handbook, online and in the Office of Campus Life. These documents guide the student discipline and grievance processes.

## 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 lifestyle choices and responsible decision making through programs, training and alternative activities.

The center's goals are to:

- Enhance the academic mission of the University by ensuring that the abuse of alcohol and other drugs does not interfere with academic goal attainment;
- Enhance student development of leadership skills by providing opportunities for students to positively influence the campus and community environment;
- 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;
- 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; and
- Continue to improve the efforts of the Alcohol and Drug Education Center and demonstrate effectiveness through needs assessment and evaluations.

Through the organization HyperFrogs and Frogs CARE, 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 take a comprehensive approach, focusing efforts on both effecting the environment and the individual. The scope of these efforts includes prevention, intervention and aftercare. Educational presentations target student organizations, residence halls, fraternity and 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 ADE 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.

Those interested in services available through the ADE Center are encouraged to visit the office or call 817.257.7100.

### Peer Leadership Programs

The TCU Alcohol and Drug Education (ADE) Center is based on a philosophy of student development that incorporates personal and community wellness. The mission of the program is to enhance students' overall academic experiences and personal development through the promotion of responsible decision making and healthy lifestyle choices, especially regarding alcohol and other drugs. The ADE Center encourages students to develop a sense of responsibility for themselves, for others, and for the University by assuming leadership in setting behavioral norms for the campus community. To this end, the ADE Center sponsors Frogs CARE (Frogs Committed to Advocacy, Responsibility and Education) and HyperFrogs. Frogs CARE is an organization that brings together concerned students committed to making a positive difference in the University environment. HyperFrogs is the campus spirit organization; its members are committed to increasing Horned Frog spirit through the support of varsity athletics, exemplifying good sportsmanship, and positively representing TCU.

Students interested in Frogs CARE or HyperFrogs should contact the Alcohol and Drug Education Center (located in the University Recreation Center, Suite 049) at 817-257.7100.

## Health Center

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 six or more semester hours and 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 Monday through Friday 9 a.m.-5 p.m. Patients need to be checked in by 4:30 p.m. Detailed information about the Health Center, its services and staff can be found at [healthcenter.tcu.edu](http://healthcenter.tcu.edu).

### 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. Documentation of two doses of measles (Rubeola) vaccine and two doses of mumps vaccine is required along with a Mantoux/TB skin test that has been received within the 12 months prior to entering TCU. Most students have received two measles (Rubeola) and two mumps vaccinations by virtue of having received two MMR—measles-mumps-rubella.

### 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 Web site 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 [healthcenter.tcu.edu](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 Web site, and in e-mails sent to the student's TCU e-mail address. For students entering in the spring semester, a waiver must be entered online at the beginning of that semester. Deadlines for the spring semester are published in the student newspaper, on the Health Center's Web site 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 and television (TV) courses do not fulfill the eligibility requirements that the covered student actively attends classes. To specifically enroll in the University-offered plan, the "elect" choice must be entered online at [healthcenter.tcu.edu](http://healthcenter.tcu.edu) prior to the semester's deadline for electing or waiving.

## The Counseling Center

The Counseling, Testing and Mental Health Center provides in-house counseling, psychological assessment and psychiatric services on a short-term basis for TCU students. Students requiring specialized or long-term services will be referred to professionals off campus. The center's counselors are licensed and have extensive training and experience working with college students. The staff includes psychologists, licensed professional counselors and part-time consulting psychiatrists. Services are provided confidentially.

The center's services are designed 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.

Individual and group counseling services are available to assist students. Students in counseling may be referred for psychiatric evaluation for medication, with follow-up appointments if medication is initiated. The Counseling Center provides consultation to concerned parents, faculty, and friends. No confidential information about clients of the center will be shared without a release. The center also provides education and outreach to residence halls, classes and campus organizations on a wide variety of topics in mental health.

The Testing Services of the center help students learn more about their aptitudes, achievements, interests, values, and personality. The College-Level Examination Program (CLEP) and national tests for admission to graduate schools are administered.

The center is located at the west entrance of the Health Center. Services are available by appointment, Monday through Friday 8 a.m.-4:30 p.m.

## Campus Recreation

Campus Recreation 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.

The 232,000 square-foot facility provides for a variety of recreational opportunities, including 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.

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: a 25-yard lap pool, 22 foot deep diving well, and an outdoor leisure pool and patio.

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.

In addition to the 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.

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 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.

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.

## Career Services

### Career Exploration and Job Search Advising

Career Services assists students and alumni in attaining career goals. While students may use the services any time during their academic experience, many begin exploring career options during the freshman year. Career Services' staff helps students determine career options and assists in obtaining job opportunities. Career Services has computers and printed resources to explore identified career alternatives.

As students approach their job or internship search, Career Services' staff assists students in developing effective job search strategies and techniques through individual advising sessions, videotaped mock interviews, resume critiques and workshops.

### Job Search Assistance

#### Job Listings

More than 50,000 summer, part-time, internship and full-time professional job vacancies are listed with Career Services each year and are available on a password-protected site on [www.frogjobs.net](http://www.frogjobs.net).

#### Resume Referrals

TCU uses online technology that allows students to register with Career Services and refer their resumes for jobs that employers have posted. 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, and sophomores and juniors for internship positions. Students must be registered with Career Services in order to participate in these interviews. Career Expos take place each semester, offering a variety of employment opportunities for students and alumni.

### Developmental Programs

Making the transition from TCU to the world of work or graduate school is challenging. Career Services provides specific 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 each year offers advice to juniors to help them prepare for the job search or graduate school application process that will begin 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 presentations focus on

succeeding in life after TCU with sessions on surviving the first year on the job or in graduate school, how to budget 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 Career Services, visit the Alcon Career Center in Dan Rogers Hall Room 140, the new Career Services offices in Jarvis Hall, call 817.257.2222 or visit [www.careers.tcu.edu](http://www.careers.tcu.edu) on the Web.

## Inclusiveness and Intercultural Services

The mission of the unit of Inclusiveness and 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 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, IIS assists the University with institutional planning and policy formation regarding diversity and inclusiveness. For further information, call 817.257.5557.

## Community Involvement and Service Learning

TCU faculty, staff and students are involved in community service on an organizational and individual basis. The Center for Community Involvement and Service Learning works to foster social responsibility and lifelong learning through community involvement and service learning at TCU. The staff provides and supports curricular and co-curricular opportunities that prepare students and inspire them to be engaged citizens and global leaders working to create a more just world.

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 for both short- and long-term placements (i.e., summer, a semester, or several years). Students are welcome to join student organizations whose primary purpose is public service. These groups include Alpha Phi Omega, Best Buddies and Habitat for Humanity. To get involved in service, call 817.257.7855 or visit [www.sds.tcu.edu/community](http://www.sds.tcu.edu/community).

## International Student Services

TCU has more than 500 international students from 90 different nations and more than 40 students of U.S. 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 sponsor events, trips and educational forums. Its membership is made up of international students from across the globe along with U.S. students with a global interest. The International Orientation Volunteers is an application-based group of U.S. 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.

## Office of Religious and Spiritual Life

The Office of Religious and Spiritual Life offers resources, programs and staff dedicated to supporting faith communities, religious expression and spiritual exploration throughout TCU. TCU has a vibrant history as a university affiliated with the Christian Church (Disciples of Christ), a tradition that values dialogue, freedom of

thought and a mutual concern for all people. The Office of Religious and Spiritual Life is committed to respecting the dignity of every individual, celebrating our rich diversity and welcoming all of God's people.

The office is a space to connect, a place to belong and a springboard from which to branch out. Through the office's services, students can connect with a campus ministry or student religious organization; find opportunities for worship, study and fellowship; explore commonalities through interfaith dialogue; and engage in meaningful conversations about life's big questions. The work of the office includes:

### *Supporting a Vibrant Religious Life*

- Supporting 21 Student Religious Organizations
- Chapel Workshop and Other Special Services
- Disciples Campus Ministry Program
- Retreats, Bible Studies and Devotionals

### *Creating Dialogue and Learning Across Traditions*

- TCU Interfaith Community and Religious Advisory Council Organizations
- Faith and Film Series
- Interfaith Service and Study Trip

### *Meeting Student's Spiritual Needs*

- Weekly Meditation
- Spirituality Coffeehouse
- What Matters to Me and Why
- Providing Pastoral Care and Spiritual Support

### *Engaging in Social Justice, Community Activism and Relief Work*

- Supporting Social Justice Student Organizations
- Heal Hunger Campaign and Annual Hunger Week
- Training and Funding for Student Social Change Leaders

Located on the first floor of Jarvis Hall, The Office of Religious and Spiritual Life is open seven days a week and is home to a multi-faith prayer room and the RSL Library and Resource Center. As a long-standing part of TCU, Robert Carr Chapel is open daily for prayer and personal reflection, and is available for worship and other sacred occasions. In addition to TCU's religious life staff, students will also find more than 10 full-time or part-time campus ministers and religious life partners who offer support, connection, and opportunities for growth.

## 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 entering students are required to live on campus or in other TCU authorized housing for their first two academic years (freshman and sophomore), subject to the following exceptions:

- Students who are 21 years or older as of the first day of classes for the fall semester;
- Students who are married; and
- Students who will continue to live with their parents or legal guardian.

Students enrolled for less than nine hours may live in a residence hall only with special permission from the Office of 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 abroad program. Students under 17 or over 25 are housed by special permission only on a space-available basis.

### 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 re-assignments is reserved by the University. The University makes room assignments without regard to race, creed, religion or national origin. TCU does not make assignments based on any information that may be found in Facebook, Xanga, myspace or any other external source.

Other housing information and current regulations are distributed to students at the beginning of each semester. Detailed housing information may be viewed at [www.rlh.tcu.edu](http://www.rlh.tcu.edu) and at [my.tcu.edu](http://my.tcu.edu) under the Residential Life link.

### Dining Services

Eating out while staying on campus is easy with the TCU Frog Pass. TCU students will have many fresh choices at Market Square in the new Brown-Lupton University Union. The Frog Pass Dining Plan allows students unlimited access to Market Square from 7 a.m. to 9 p.m. daily, and includes a light night snack from 9 p.m. to 2 a.m. in 1873 Grill and Café. Choose from one of three Frog Pass plans—Silver, Gold, Platinum and Diamond—and receive Frog Bucks that can be used on campus at one of TCU's six other campus dining locations or off campus.

#### Market Square

Located on the second floor of the Brown-Lupton University Union, Market Square offers seven unique dining venues—Trinity Grill, Stacks Deli, Il Trattoria, Shuffles, Cookhouse, Expeditions and the Oasis—with a wide variety of foods prepared to order. Booths, high-top tables, patio and terrace seating for more than 800 give students a chance to truly sit down and relax. Five plasma TVs allow students to catch up on the news of the day, while catching up with friends. Market Square is a kitchen, dining room and lounge, all in one.

#### Frog Pass

Frog Pass is the TCU dining plan. It allows students to come and go as often they like from 7 a.m. to 9 p.m., Monday through Friday and from 9 a.m. to 9 p.m. on the weekends. Five plans provide Frog Bucks that can be used off campus and Campus Cash that can be used on campus.

- Silver plan includes unlimited access to Market Square, Simply-To-Go Option, \$100 Campus Cash. Available to all students (resident and non-resident). Frog Bucks must be purchased separately for this plan.
- Gold plan includes unlimited access to Market Square, Simply-To-Go Option, \$150 Campus Cash, \$150 Frog Bucks. Available to all students (resident and non-resident).
- Platinum plan includes unlimited access to Market Square, Simply-To-Go Option, \$250 Campus Cash, \$250 Frog Bucks. Available to all students (resident and non-resident).
- Diamond plan includes unlimited access to Market Square, Simply-To-Go Option, \$150 Campus Cash, \$350 Frog Bucks. Available to all students (resident and non-resident).

- Frog Pass Flex 10 includes 10 swipes per week, Simply-To-Go Option, \$250 Campus Bucks, \$250 Frog Bucks. Available to Apartments, Worth Hills Upper-Class Available to non-resident students ONLY).
- Frog Pass Limited 50 includes 50 swipes to Market Square, Simply-To-Go Option, \$150 Campus Cash, \$150 Frog Bucks. Available to apartments and non-resident students ONLY.

All plans with Frog Bucks require acceptance of Off-Campus Advantage to use Frog Bucks at local participating restaurants.

#### Campus Cash

Campus Cash is designed to give students flexibility and can be used at one of TCU's six other campus dining locations.

#### Frog Bucks

Designed to give students flexibility, Frog Bucks can be used off campus. Unused Frog Bucks that come with the Frog Pass plans will roll over to the spring semester, but are NOT refundable at the end of the academic year. If students are running low, they can easily add more Frog Bucks online through TCU. All Frog Bucks added on to the base meal plan are refundable.

#### Simply-To-Go Option

Students may use a swipe to purchase a breakfast or lunch alternative offered at the Sub Connection dining facility.

#### 1873 Grill and Café

TCU's own sports grill and café, 1873 Grill and Café is located on the first floor of the Brown-Lupton University Union. Open until 2 a.m. Sunday through Wednesday and until 3 a.m. Thursday through Saturday, students can pay with cash, credit or Frog Bucks.

#### Additional Campus Dining

- *The Corner Store*—located in the Brown-Lupton University Union; open 24 hours, seven days a week when classes are in session
- *NRG*—located in the Campus Recreation Center
- *Bistro Burnett*—located in the library
- *Sub Connection*—located in Smith Hall; open Monday through Friday for lunch

### Student ID Card

The TCU ID card is a student's access key to many University resources. It is permanent and may be used as long as the student is enrolled at TCU. The card is the property of TCU and is non-transferable. If at any time students have questions or problems with their ID card, visit [www.idcenter.tcu.edu](http://www.idcenter.tcu.edu), contact the ID Card Center in Brown-Lupton University Union at 817.257.7856 or e-mail [IDCenter@tcu.edu](mailto:IDCenter@tcu.edu).

The TCU ID card is a computerized plastic card, bearing a student's 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. Students use their cards for Dining Services, TCU Book Store and selected vending machine charges; entry into the library, University Recreation Center and various labs and classrooms across campus; admission to athletic and various events; printouts from campus computers; copies in the library and Frog Prints, checking books out of the library; and to verify identity if requested by a TCU official.

Card owners are responsible for reporting lost or stolen cards promptly to assure that no one else uses their card. Report lost or stolen cards to The ID Card Center, Brown-Lupton University Union, 817.257-7856, or TCU Police, 817.257.7777. Until one of these agencies has been notified, students are responsible for any purchases with their cards. There is a replacement charge of \$20 for a lost or stolen card.

The ID card remains the property of TCU at all times, and any misuse of the card could result in loss of privileges or disciplinary action. ID cards should be in a student's possession at all times and must be surrendered upon the request of any University official.

### Student Development Services

Student Development Services maximizes students' individual potential through holistic learning opportunities in leadership and service so they may positively and responsibly impact the greater

community. Through personalized educational experiences, Student Development Services offers support and opportunities for individual growth both inside and outside the classroom. The unit houses Academic Orientation and Transitions, an initiative providing support and services for each year of the four-year college experience. The unit also oversees leadership education and training, and transfer student and parent programming.

### Student Organizations

More than 200 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.

### Transitions Program

Transitions is the intentional effort to recognize and support the natural progression students make across the four years of a typical student experience.

#### 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 adviser 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 service and the Adams Center for Writing are highlighted in the Academic Support and Services section of this catalog. For more information, call 817.257.7855, e-mail [newstudentprograms@tcu.edu](mailto:newstudentprograms@tcu.edu) or visit [www.sds.tcu.edu](http://www.sds.tcu.edu).

#### Frog Camp

Frog Camp is a three- to six-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 "Frog Group" of no more than 15 students. Along with upper-class students and a member of the faculty or staff, Frog Group members 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 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, "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.

Frog Camp "Alpine" takes students to the Rocky Mountains of Colorado to raft, hike and traverse a high-element challenge course. Frog Camp "London" partners with the Honors Program to take a group of Honors students across the pond to experience the history and culture of London.

And for those students interested in investigating their new home away from home, Frog Camp "Casa Nueva" explores 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/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, call 817.257.7855, e-mail [newstudentprograms@tcu.edu](mailto:newstudentprograms@tcu.edu) or visit [www.sds.tcu.edu](http://www.sds.tcu.edu).

### Connections

After attending Academic Orientation and Frog Camp, it is time for students to make a connection to the TCU community. Connections is a 10-week program 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; and
- Class activities that develop leadership, academic and life skills

Over the course of 10 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, contact the TCU Leadership Center at 817.257.7855 or visit [www.sds.tcu.edu](http://www.sds.tcu.edu).

### Sophomore Year

The Sophomore Year emphasis is on ethics and leadership. Among the many choices students have to develop an understanding of the subject is a course within 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 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:* This event help students be more educated about the disciplines available to them. The Meet 'n 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:* Inward Bound is a leadership class that encourages students to explore their values and beliefs, and learn about the importance and methods of practicing reflection.

### Junior Year

The Junior Year highlights responsible citizenship. Therefore, a great deal of the year is spent on the FrogHouse Habitat for Humanity build. In the fall, students work to raise \$53,000. At the same time, students work to secure donations for food for the build as well as building volunteers. 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 all their experiences into who they are becoming.

In addition to global community education, the Senior Year focuses on closure and transition. Senior Days allow students to begin to think about all that must happen within the year.

The *Ring Ceremony* is a celebration of the transition into the senior year. On Family Weekend, senior students and their family members gather for a ceremonial presentation of class rings. The TCU Mission Statement Scholarships are also presented at this event, recognizing seniors who actively exemplify the mission and values of the University.

The *Senior Conference* is a great time for students to develop skills that will transfer into a graduate program or work situation.

The *Senior Fair* enables students to do all that they need to do to actually graduate.

The *Senior Toast* allows students the opportunity to enjoy friends and toast their past and their future.

*Senior Days* and the *Chancellor's Reception* encourage students to celebrate their accomplishments, thank their faculty and enjoy time with family and friends.

## Transfer Student Services

Upon admission to the University, transfer students are invited to attend Frog Camp and Transfer Academic Orientation. Once they arrive, transfers are provided special support services and programs to meet their individual needs. A weekly newsletter for transfer students is emailed from the transfer dean, who is located on the second floor of the Brown-Lupton University Union. The transfer dean may be reached via email at [transfers@tcu.edu](mailto:transfers@tcu.edu).

## Men and Women's Programs

Men and Women's Programs provide a forum for addressing gender issues. 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, these programs collaborate with curricular and co-curricular units on a variety of programming. Annual programs include International Women's Day Celebration, the Women's Community Dinner and men's conferences and retreats. To learn more about current programming or to become involved in Men and Women's Programs, call 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. Gay Straight Alliance (GSA) 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 learn more about Allies or GSA, call 817.257.5557.

## Parent Programs

### TCU Parents Council

Started 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 to:

- Assist parents in the transitional experiences related to the students beginning college;
- Provide communication and resource information to encourage parents to stay informed about and involved with the University;
- Promote and provide support for University programs and activities;
- Enable parents to assist their students into their first careers; and

- Create a lifelong partnership between families and the University.

For more information about the Parents' Association visit [www.parents.tcu.edu](http://www.parents.tcu.edu) or e-mail [parents@tcu.edu](mailto:parents@tcu.edu).

## TCU Leadership Center

The TCU Leadership Center 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. Additionally, non-credit leadership development classes are offered for students 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. Finally, the center coordinates various campus scholarship and leadership award programs designed to support leadership development at TCU. For more information, call 817.257.7855, visit [www.sds.tcu.edu/leadership](http://www.sds.tcu.edu/leadership) or stop by Brown-Lupton University Union.

## TCU Police

TCU police officers are commissioned by authority of the Board of Trustees of TCU and are certified as peace officers by the state of Texas to provide police services for the 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 at 817.257.7777. The office is located at 3025 Lubbock Avenue.

### Police Programs

#### Froggie Five-O Student Escort Program

The TCU Police Department administers a student escort program, Froggie Five-O, for female students. Froggie Five-O operates between the hours of 8 p.m. and 1 a.m. throughout the school year. Froggie Five-O escorts female students on foot or by golf carts to all areas of the campus. After 1 a.m., TCU police officers 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 the 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.) The crime prevention office is located in the Rickel Building Room 155B. The phone number is 817.257.7276.

#### 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**

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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**

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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 and Regulations can be found at [www.cap.tcu.edu](http://www.cap.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 or 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 a building in which an employee works or a student's residence hall or class.

## **Bicycle Regulations**

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Bicycle riders must adhere to all state and local laws. Pedestrians have the right of way.

# Student Policies

## Academic Conduct Policy Details

An academic community requires the highest standards of honor and integrity in all of its participants if it is to fulfill its mission. 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 that can arise that violate these standards. Further, the policy sets forth a set of procedures, characterized by a "sense of fair play," which is 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. Adviser refers to any person selected by the student who accompanies the student during formal hearings. The adviser 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).
      - a. 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.
    3. 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.
    4. An "I" grade should be given by the instructor if the alleged misconduct occurs near the end of a semester (e.g., during finals), and a sanction outlined in Section III has not been applied by the instructor or the dean.
    5. 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 of 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 sanctions) 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 by 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 Section 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 adviser. The adviser may not speak for the student or to the committee. The advisor may only speak with the student. The student must inform the University five class days in advance if his or her adviser 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 e-mail to communicate official University business. Information communicated by TCU provided e-mail (tcu.edu account) is considered an official communication from the University. In the event of an emergency, the University will most likely communicate with students via their tcu.edu e-mail account, text message, local media and the TCU home page (www.tcu.edu.) Many offices will use tcu.edu e-mail exclusively to communicate important information; therefore, it is important that TCU community members access their accounts regularly or forward their account to a different e-mail account.

It is also imperative that students keep their addresses and telephone numbers current. Telephone numbers and addresses may be used to contact students in the event of an emergency or to conduct official University business. Students may update their information via my.tcu.edu.

## Student Grievance Procedure

The University has established both informal and formal procedures that 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 educational discipline system is provided 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 Campus Life at 817.257.7926.

## Alcohol Use Policy

Texas Christian University 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 are permitted on campus.

Students should be aware that the legal drinking age in the state of Texas is 21 years. Texas Christian University conforms to state law and also has further specific regulations to govern the use, sale and possession of alcoholic beverages on University property.

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 is 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 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 under 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 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 and 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, a requirement for participation in a drug abuse education and/or treatment program, a \$20 fine, 40 hours of 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 Office of Campus Life and 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.

## 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 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, 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 school/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 Campus Life. It also may have discipline cases referred directly to it by the Office 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 University 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 that 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. Educational Discipline 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/her 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/her 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 TCU. 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 TCU.

**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 FCC 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 bylaws 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/her 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 or 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 that 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 chair 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 TCU 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 TCU 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 that the student assumes while enrolled at TCU. 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/she has met the prerequisites as stated in the official University catalog and that 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 that are neither prejudiced nor capricious and that 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:
  - When necessary to prevent an individual's serious injury to himself/herself and/or to another person;
  - For use by members of the faculty and administration when necessary to carry on the internal operations of the University;
  - When a parent or guardian has legal access to such records; and
  - 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 a 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

### International Studies: TCU Abroad

The mission of the Center for International Studies: TCU Abroad is to support international academic programs that foster an understanding of the global community. TCU offers a wide range of academic programs abroad, including summer courses led by TCU faculty members, semester-long education abroad programs, and educational exchanges and partnerships abroad. For more information, visit [www.studyabroad.tcu.edu](http://www.studyabroad.tcu.edu).

#### Semester and Year-Long Opportunities

The *TCU in London Program* provides a unique opportunity for TCU students to study in one of the major international capitals of the world, drawing upon the immense intellectual, cultural and human resources of London. TCU partners with the University of Westminster to provide an opportunity to take courses in a wide range of disciplines and live with British students. Students also have the option of enrolling in the London Internship Program for academic credit. TCU financial aid and scholarships may be applied, and all courses earn TCU credit.

The *TCU in Seville Program*, in cooperation with the *Universidad Pablo de Olavide*, offers Spanish language and area studies courses for students of all language levels. Students may take courses in literature, art, political science, economics, business and history in Spanish or English. All students live with Spanish host families for a rich cultural experience. TCU financial aid and scholarships may be applied, and all courses earn TCU credit.

The *TCU in Florence Program* offers students of all majors the opportunity to take classes in English at *Lorenzo de Medici Institute* for a semester or year. Students take an Italian language course in order to fully appreciate life in Florence. Students live in fully furnished apartments in the center of town and have opportunities to meet Italians through activities organized by the local staff. TCU financial aid and scholarships may be applied, and all courses earn TCU credit.

Other special study abroad opportunities include *TCU Exchange Programs* and *TCU Partner Programs*. Exchange programs with Nanyang Technological University, Singapore; *Kansai Gaidai University* in Osaka, Japan; *Universidad Mayor* in Santiago, Chile; and *Aoyama Gakuin University* in Tokyo, Japan, provide students the opportunity to directly enroll for a semester or year in these affiliated universities to take language and area studies courses. TCU Partner Programs are select study abroad programs offering additional semester- and year-long experiences for students in locations throughout Australia, Asia, Europe, Latin America and Africa. TCU scholarships and financial aid may be applied to these programs, and all courses earn TCU credit.

#### TCU Abroad Programs

TCU *summer courses* have featured study in various locations, including 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, geology, history, interior design, journalism, literature, modern languages, nursing, social work, political science, psychology and radio-TV-film. Carrying TCU credit and the possibility of financial aid, study abroad courses fulfill many of TCU's graduation requirements, while providing opportunities to work closely with some of TCU's best faculty members.

#### Certificate International Studies

The Certificate in International Studies is designed to foster the development of global citizens through academic coursework, participation in TCU-sponsored global programs and interaction with international communities

### Intensive English

The aim of the Intensive English Program (IEP) is to help students advance rapidly toward their academic, professional or personal English language goals. Advanced-level IEP students may enroll in TCU courses for degree credit while in the noncredit, certificate

program. (Undergraduate candidates should see the admissions section on international students on page 11 in this catalog. Successful completion of the Advanced-level IEP allows applicants to the undergraduate program to waive the TOEFL admission requirement.) TCU employees and family members may pay half the IEP tuition when enrolling.

An IEP student begins at his/her own level and studies intensively at least 20 hours each week. Classes are organized into teams of 15 or fewer students. Outside of class, IEP students work in a computer learning lab, take standardized English exams, and meet one-to-one with conversation partners (native English speaking TCU students, staff or faculty members who speak with the IEP students in English and sometimes in another language known by the IEP student and being studied by the partner).

The IEP sessions begin 11 months a year (except December). More information on the Intensive English Program is available at [www.iep.tcu.edu](http://www.iep.tcu.edu).

### Washington Internships

Texas Christian University is an affiliate of The Washington Center, a nonprofit independent educational institution that provides comprehensive learning opportunities in the nation's capital for students from more than 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 following the internship experience. 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 40910, 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 15 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 15 hours may be applied to a political science major and up to nine hours may be applied to a political science minor. For further information about the program, contact the Department of Political Science at TCU.

### Intensive English Language Courses

**IELP 00412 - Advanced Intensive English I**  
Intensive English I

**IELP 00422 - Advanced Intensive English II**  
Intensive English II

### Intensive Spanish Language Courses

**ISLP 412 - Intensive Spanish I**  
Intensive Spanish I

# The Bachelor's Degree

## Student Responsibility

Faculty, academic advisers 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 all students become familiar with all requirements and remain currently informed throughout their college career.

## Bachelor's Degree 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. No course may be applied to more than one set of major or minor requirements without the express approval of the dean(s) of the major.

### 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 two 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	4.00 – Excellent
A-	3.67
B+	3.33
B	3.00 – Good
B-	2.67
C+	2.33
C	2.00 – Satisfactory
C-	1.67

D+	1.33
D	1.00 – Poor
D-	0.67
F	0.00 – Failing

P – Passed the course

NC – No credit awarded for the course

In all cases where academic policy requires a grade of "C" or better, a "C-" does not meet that criteria. The same applies for "B" and "B-."

### Non-Grade Designators

I – Designates course has not been completed and a final grade has not been assigned. (The "I" must be removed within the first 60 days of the long 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 Office of the Registrar 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

### Pass/No-Credit

Undergraduate students may elect a Pass/No-Credit (P/NC) grading option. They may do so by indicating their choice in writing to the Office of the Registrar or online using the student records course edit in my.tcu.edu no later than the date listed in the academic calendar for electing the P/NC grading option. Courses taken on a P/NC basis are graded "P" (pass) and "NC" (no credit). These P/NC courses are not counted in computing the student's GPA. 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 "C-" or better. Achievement equivalent to a "D+" or below results in the grade of "NC." Students earn no credit hours in courses in which the grade of "NC" is received. After the last day to elect a Pass/No Credit grading option, this decision is irrevocable.

Students may take up to two courses (eight hours maximum) on a P/NC basis. No course applied to the student's major, minor or associated requirements may be taken on the P/NC basis. Students in the M.J. Neeley School of Business may not take any course in the lower-division business sequence or in the upper-division business core on the P/NC basis. Students in the College of Education may not take any education course required for teacher certification or in the student's teaching content area on the P/NC basis. Courses offered only with the P/NC grade will not be counted toward this limit on the number of P/NC hours. The P/NC option is not allowed in any English as a foreign language courses offered by the English Language Center.

### 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 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 the instructor of the course, the chair of the department and the dean of the school/college in which the course is offered. Any dean assigning a "Q" will notify the Office of the Registrar.

### 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 on page 229) are given the opportunity to audit one class (for which auditing is permitted) without fee within 12 months after notification of eligibility. TCU Scholars are 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 school/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 GPAs 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 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 P/NC basis). Pass/No-Credit courses are disregarded in the calculation of the student's GPA.

### 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 Office of 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.

### Examination and Portfolio Assessment Credit

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

### Transfer Credit Policy

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 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. Once a student is enrolled at TCU, 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 coursework taken elsewhere must reach the Office of the Registrar within 30 days of completion of the coursework.

### Study Abroad Credit

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 are computed in the official TCU GPA. 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 maintains a list of those institutions with which TCU has formal agreements of institutional affiliation. The study abroad coordinator assists 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) and 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, and 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 coursework 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 three to 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 Admission, Sadler Hall Room 112.

### Military Service Credit

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. See Military Service Credit on page 10 in the Admissions section of this catalog for specific requirements.

### Nonresidential Coursework Credit

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.

### Independent Study Credit

Some departments at TCU offer an opportunity for independent study, usually pursued late in a student'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 adviser, 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 adviser, 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 fewer than 18 hours prior to the first day of class. 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 seven 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 15-18 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

## 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 sub-freshman; 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 to those courses that include one or more of the following features: non-credit, credit value that includes a fraction, or the course has a variable credit value that 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) that carries three semester hours of credit (fifth digit). The three middle digits (second, third and fourth) identify it as a specific course in the Department of English.

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
BIOL	Biology
BRST	British and Colonial/Post-Colonial Studies
BUSI	Business
CHDV	Child Development
CHEM	Chemistry
CHIN	Chinese
CITE	Computer Information Technology
COMM	Communication Studies
COSC	Computer Science
COSD	Communication Sciences and Disorders
CRJU	Criminal Justice
DANC	Dance
DEMT	Design, Merchandising, and Textiles
ECON	Economics
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
ENTM	Energy Technology and Management

FINA	Finance
FNRT	Fine Arts Interdisciplinary
FREN	French
GEOG	Geography
GEOL	Geology
GREE	Greek
GRMN	German
HCOL	Honors Colloquia
HHIT	Honors Intellectual Traditions
HIST	History
HITP	Honors Intellectual Traditions, Purpose
HLTH	Health
HNRS	Honors – Origins and Images
HSPR	Honors Special Problems
INSC	Information Systems and Supply Chain Management
ITAL	Italian
JAPN	Japanese
JOUR	Journalism
KINE	Kinesiology
LTNO	Latina/o Studies
MANA	Management
MARK	Marketing
MATH	Mathematics
MILS	Military Science
MOLA	Modern Languages
MUSI	Music
MUSP	Music Performance
NTDT	Nutritional Sciences
NURS	Nursing
PEAC	Physical Education Activity Courses
PHIL	Philosophy
PHYS	Physics and Astronomy
PORT	Portuguese
POSC	Political Science
PSYC	Psychology
RAMA	Ranch Management
RELI	Religion
FTDM	Film, Television, and Digital Media
SOCI	Sociology
SOW	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 are also 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 part of the official University transcript.

## Academic Conduct Policy

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 community members 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.

Specific information pertaining to the Academic Conduct Policy may be found in the Student Policies section of this catalog. Students may also obtain a complete copy of the policy statement in the offices of all academic deans and from the dean of campus life, the vice chancellor for academic affairs and the vice chancellor for student affairs.

### 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.

### 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/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/school) to occur within seven 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 adviser. Following the meeting, the instructor shall decide whether to withdraw the student from the class or educational experience. If a student is withdrawn, his/her grade will be recommended by the instructor to the dean of the instructor's college/school as either a "Q" or an "F." The student may appeal this decision within seven 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.

### 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:

- Deny class enrollment to the student; or
- Suspend or expel the student from the University or from one or more of its programs; or
- 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 seven 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.

### 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.

### 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 Campus Life or pursuing disciplinary action against a student or person through a complaint filed in the Office 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 Campus Life from appropriately addressing behaviors covered by the policy.

### 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 Office of the Registrar.

A student is considered to be making "satisfactory academic progress" when the student is in acceptable academic standing and coursework is being completed 1) that leads to the degree being sought, 2) in a timely manner and (3) that is consistent with reasonable expectations for individual circumstances. Satisfactory academic progress is determined by the academic dean of the major.

### 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 Office of Campus Life. 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 Office of Campus Life no later than one week prior to the date of the activity.

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

### Family Educational Rights and Privacy Act

This Federal law states that a written institutional policy must be established and 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 the offices of the 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 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, e-mail 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 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, notify Karen Baker, interim affirmative action officer, Sadler Hall Room 327, ext. 7783; or John Weis, deputy affirmative action officer, Office of Human Resources, 3100 West Berry Street, ext. 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 academic warning, probation or suspension.

#### Academic Warning

Students will be placed on academic warning if they have attempted (i.e., received a grade) at least nine semester hours but fewer than 18 total semester hours at any accredited institution and their cumulative TCU GPA 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 2.00 cumulative TCU GPA in any semester of attendance following academic warning will be placed on academic probation, or,

- A 2.00 cumulative TCU GPA 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 GPA 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. A student re-enrolled in the University following a period of suspension is automatically on probation.

Academic suspension will become part of their official transcript.

## Graduation Requirements

The University requirements for graduation (e.g., TCU Core Curriculum or University Curriculum, total credits and residence requirements) specified in the Undergraduate Studies Catalog 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 six years. A year is defined as the 12-month period following the date of initial enrollment.

The major, school/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 six years from the time of declaration of major.

After six years, requirements for graduation will be those specified in the catalog in effect at that time. A student may graduate under the requirements of a subsequent catalog, but he/she must satisfy all the requirements of the catalog 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 six-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:

- Study in specified subject areas as stated in the TCU Core Curriculum, or University Curriculum requirements, as appropriate; and
- Concentration upon a combination of related courses as outlined by the department, school or college in which study is emphasized; and
- 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/college may require some variation, and students should refer to the specific degree requirements found in the school/college sections of this catalog.

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

## 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 to Summer 2007 are also subject to the UCR.

The educational experience offered by TCU 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 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 and 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:

1. The Essential Competencies Curriculum (12 hours plus 6 hours Writing Emphasis);
2. The Human Experiences and Endeavors Curriculum (27 hours); and
3. The Heritage, Mission, Vision and Values Curriculum (18 hours).

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. See TCU Core Curriculum on page 44 in this catalog for specific information.

### 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 on page 229 of this catalog). 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 six semester hours of advanced work in the field of the minor.
6. No more than eight semester hours of physical education activity may be applied toward graduation requirements.

### Academic Major Declaration

The pre-major option is intended to provide students with more time to explore academic majors. Students may not remain or declare as pre-majors after they have earned 54 semester hours of credit. The pre-

major 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 catalog, 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 Office of the Registrar. No course may be applied to more than one set of major or minor requirements without the express approval of the academic dean.

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

A TCU student who wishes to pursue multiple bachelor's degrees concurrently must:

1. Declare his/her intent and file all degree plans prior to completing the last 15 hours of either degree;
2. Fulfill all specific major, college/school and University degree requirements in force at the time of his/her initial enrollment (subject to the six-year limitation); and
3. 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.)
4. No course may be applied to more than one set of major or minor requirements without the express approval of the appropriate dean.

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

# TCU Core Curriculum

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The educational experience offered by TCU 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 requirements.

The TCU Core Curriculum is designed to:

- Embody the liberal arts ethos of TCU;
- Facilitate a focus on educational competencies, learning outcomes and assessment;
- Show sensitivity to the special needs of students in different schools/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 and 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:

1. The Essential Competencies Curriculum (12 hours plus 6 hours Writing Emphasis);
2. The Human Experiences and Endeavors Curriculum (27 hours); and
3. 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.

## Essential Components

*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:

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 courses in the Essential Competencies Curriculum may be taken from any one area as defined by course prefix.

## Human Experiences 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:

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 courses in the Human Experiences and Endeavors Curriculum may be taken from any one 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 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, the Heritage, Mission, Vision and Values Curriculum 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:

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 courses in the Heritage, Mission, Vision and Values Curriculum may*

*be taken from any one area as defined by course prefix. No course may be counted for more than one HMVV requirement.*

## TCU Core Curriculum Diagram

The overlay feature of the TCU Core Curriculum is best captured in a diagram. Click on <http://www.core.tcu.edu/documents/RevisedCore-Diagram4-25-031.pdf> to view the TCU Core Curriculum diagram.

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 Heritage, Mission, Vision and Values Curriculum; and
- Six hours in Writing Emphasis courses.

# M.J. Neeley School of Business

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, business information systems, finance, entrepreneurial management, 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 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, serving 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 and banking or sales management, they are challenged to consider the topic with an international perspective.

To achieve this goal, the Neeley School has developed several partnerships with universities in Mexico, France, Germany, Spain, Chile, Korea and China. 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.

The Neeley School believes 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 the Bachelor of Business Administration (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 (three weeks), Business-in-China and Management in Mexico are coordinated by the Neeley Student Resource Center and the Neeley School International Programs Office. The goal of these partnerships is to expose Neeley School business students to the realities of the corporate environment in other countries. Onsite 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 is 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 School 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 video conference 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 more than 1,000 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.

## Neeley School Special Awards

**Accounting.** For students in accounting, the Accounting Excellence Award of the Texas Society of Certified Public Accountants and the TCU Department of Accounting 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.

**Entrepreneurial Management.** The Department of Entrepreneurial Management 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.

**Information Systems and Supply Chain Management.** The Department of Information Systems and Supply Chain Management presents awards to the senior scholars in business information systems and supply and value chain management. In addition, the Business Information Systems (BIS) Program grants additional awards to outstanding BIS majors. These awards include the Accenture Business Information Systems Professors' Award; Mary Kay, Inc. Technology Award; The InSource Group's Outstanding Student Award; and the Society for Information Management Scholarship Award.

In the area of supply and value chain management, additional awards are presented to outstanding students. These awards include the Supply and Value Chain Professors' Award, Supply and Value Chain Center Outstanding Student Award, CSCMP Annual Conference Scholarship Award, and Fort Worth Institute for Supply Management Scholarship Award.

**Marketing.** The Department of Marketing 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 Department of Marketing 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.

**Finance.** The Department of Finance 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 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.

## Neeley School Academic Policies

### Admission to Neeley School and Advancement to Upper-Division Courses

- Each year there are more qualified applicants to the Neeley School than can be instructed and accommodated by existing faculty and facilities. In order to provide a personal and quality educational experience the school must limit undergraduate admission. Admission is competitive. As a result, a student may be admitted to TCU but not to the Neeley School. There are three methods of admission into the Neeley School of Business:
  - Freshman.** The TCU Office of Admission makes the decisions on all freshman applicants. To be considered for admission, students must indicate business as their primary area of interest on the admission application. Students who are granted regular admission to the

University as pre-business must complete additional requirements to be considered for advancement to one of the six business majors and upper-division courses.

- External Transfers.** The TCU Office of Admission makes the decisions on all transfer applicants. Students seeking to transfer to TCU from another institution should indicate business as their primary area of interest on the admission application. To be considered for admission as pre-business transfer students from a four-year university, students should have at least a 3.0 transfer GPA. Community college transfer applicants should have a minimum 3.25 transfer GPA to be considered. Transfer students admitted as pre-business must meet additional requirements to advance to upper-division courses.
- Internal Transfers.** An internal transfer student is one who is enrolled in another degree program at TCU. Students who wish to change their major to business must submit an application to the Neeley Student Resource Center by April 15 to be considered for admission as pre-business the following fall. Admission decisions are made by the Neeley School at the end of each academic year. Admission is highly competitive and space is limited. A student with a GPA of less than 3.25 is unlikely to be admitted. Internal transfer students who are accepted as pre-business must meet all additional Neeley School admission requirements to be considered for advancement to upper-division business courses.

### Additional Neeley School Requirements

Students entering TCU as pre-business majors must complete a minimum of 24 credit hours in the first year at TCU and obtain a minimum 2.5 GPA in order to continue as pre-business students beyond the first year. In addition, pre-business students must complete four of the following courses in the first year: ECON 10223, 10233; MATH 10283; ENGL 10283; one TCU Core Curriculum requirement; or others only as recommended by adviser. To declare a business major, all students must formally apply to the Neeley School. Students will typically apply in their sophomore year for admission to upper-level courses in their junior year. Admission is competitive and not guaranteed. Upon acceptance, students will select from one of the functional area majors.

To be considered for admission to the Neeley School students must:

- Maintain a minimum TCU cumulative GPA of 2.5 ( must have at least a 3.0 to be competitive);
- Complete lower-division requirements with a minimum 2.5 GPA;
- Pass Microsoft Office Specialist Exams in Word, PowerPoint and Excel; and
- Successfully complete interview.

### Academic Advising

All business students in the Neeley School are assigned an academic adviser by the Neeley School Resource Center (NSRC). The center is open daily to answer the questions of all prospective and continuing students in the 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.

### Pass/No-Credit Policy

Pre-business students or business majors may take up to six semester hours of courses on a Pass/No-Credit (P/NC) basis. However, no lower division business core course nor upper-division business courses (30000-40000 level) may not be taken as P/NC and applied to the BBA degree, unless the course is taught only on a P/NC basis. In accordance with university policy no course applied to a student's major may be taken as P/NC.

### 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 catalog. Course prerequisites are noted in the Courses of business course descriptions section of this catalog and are listed at [www.reg.tcu.edu](http://www.reg.tcu.edu).

**Transfer Policies**

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.

- No more than 12 semester hours (except those earned in an approved study abroad program) may be transferred from other institutions once a student enrolls at TCU.
- No credit may be transferred from a community college once 54 cumulative semester hours have been earned.
- For pre-business students and declared majors, all business lower-division sequence requirements courses, upper-division business core and major course requirements must be taken at TCU.

**Non-Availability of Evening Program**

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 College of Education by offering business courses for the academic specialization requirements for certification of high school business teachers. More information is available through the College of Education.

**Academic Appeal Process**

A student seeking an exception from any policy stated in the M.J. Neeley School of Business section of this catalog should submit a formal appeal to the assistant dean of undergraduate programs for consideration. The Neeley School regards the appeal to be a professional communication and will review it based on that expectation. Contact the Neeley Student Resource Center for more information regarding the appeal process.

**Neeley School Student 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; promote the highest ethical standards in the study of accountancy; develop high moral, scholastic and professional attainments in its members; and 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 7 percent of juniors and the top 10 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 strives 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.

**Business Information Systems Association (BISA)**

The mission of the BISA 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.

**Neeley Fellows Student Organization (NFSO)**

This organization is designed to help Neeley Fellows achieve their full potential in the Neeley Fellows Program by creating a vibrant community of committed students, faculty members, alumni, parents, corporate partners and nonprofit organizations, while accelerating Neeley School's connection with the greater business community.

**Students in Free Enterprise (SIFE)**

SIFE is a global, nonprofit 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 take place 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)**

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.

**TCU Real Estate Club**

This organization is a primary source for networking education, and career advancement in the field of real estate.

**Accounting Courses****ACCT 20153 - Principles of Financial Accounting**

3 hours. Prerequisites: Sophomore standing and must be a pre-business major, or student for whom the course is required by their major/minor. The course may not be retaken for credit if the student has completed ACCT 30153. A study of the elementary concepts of financial accounting, emphasizing the measurement, recording and reporting of financial information according to generally accepted accounting principles. Students may not receive credit for both ACCT 20153 and ACCT 20653.

**ACCT 20163 - Principles of Managerial Accounting**

3 hours. Prerequisite: ACCT 20153, sophomore standing, must be a pre-business major, or student for whom the course is required by their major/minor. This course may not be retaken for credit if a student has completed ACCT 30163. 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. Students may not receive credit for both ACCT 20163 and ACCT 20653.

#### **ACCT 20653 - Introduction to Accounting**

Prerequisites: Must have sophomore standing, and be a business minor, or receive departmental approval. Students may not receive credit for both ACCT 20153 and ACCT 20653, or ACCT 20163 and ACCT 20653. An introduction to accounting, financial reporting, and financial decision making for non-business students, including the use of accounting information by parties external to an organization (financial accounting) and by management (managerial accounting). This course is not a substitute for ACCT 20153 and ACCT 20163, and may not be applied to fulfill the lower division business requirements.

#### **ACCT 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 an Accounting or Finance 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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.

#### **ACCT 40223 - Risks and Controls**

3 hours. Prerequisites: ACCT 30153, INSC 20263. At least a grade of "C" in each prerequisite course, and must be a Business major. An introduction to the fundamental concepts related to the design and effectiveness of internal controls in manual and computerized accounting information systems. In addition, students are introduced to methods to evaluate the system of internal controls as part of an integrated audit.

#### **ACCT 40273 - Audit and Assurance**

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.

## **Business Courses**

#### **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 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, and must be a Pre-business major. 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 20173 - Foundations in Business**

3 hours. Prerequisites: Sophomore standing, completion of or concurrent enrollment in ACCT 20153, and must be a Pre-Business major. 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 20970 - Special Topics in Business**

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

#### **BUSI 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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.

**Finance Courses**

**FINA 01110 - High School Investor Challenge**

High School Investor Challenge

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

Freshman Seminar in Finance.

**FINA 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian

University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**FINA 30153 - Financial Management**

3 hours. Prerequisite: Two semesters of accounting and junior standing, and must be a Business major. 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: FINA 30313 with a grade of at least "C," and 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 30653 - Financial Planning**

Prerequisites: Junior standing; completion of ACCT 20653 with a minimum of 'C' and must be a business minor or receive departmental approval. Students may not receive credit for both FINA 30153 and FINA 30653. Decision making in the financial environment. Making the best use of resources including the acquisition and management of funds. Financial analysis of stocks, bonds, and other financial instruments.

**FINA 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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.

## **Info Systems & Supply Chain Courses**

#### **INSC 10533 - Freshman Seminar in Business Information Systems**

Prerequisites: Open to entering freshmen only. Topics may vary each time it is offered.

#### **INSC 20153 - Statistical Analysis**

3 hours. Basic statistical theory used in analysis and interpretation of numeric data. Topics covered include descriptions of frequency distributions, discrete and continuous probabilities, confidence intervals, hypothesis testing, time series analysis including weighted and exponential smoothing, simple and multiple regression, index numbers and quality control. Students may not receive credit for both MATH 10043 and INSC 20153.

#### **INSC 20263 - Business Information Systems**

3 hours. Prerequisites: Sophomore standing, and must be a Pre-business major or student for whom the course is required by their major. This course focuses on how information technology supports various business initiatives. Students gain an appreciation of today's

computer intensive business environment and develop skills essential to function within a networked business community.

#### **INSC 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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. 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. 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 - Business Information Systems Programming and Applications**

3 hours. Prerequisites: INSC 20263 with a grade of "C" or better; and must be a declared Business Information Systems major. Students will be introduced to business programming that is pertinent to the building of business information systems. Through a hands-on approach they will apply different technologies to solve business problems.

#### **INSC 30723 - Business Information Systems Planning**

3 hours. Prerequisites: INSC 20263 with a grade of "C" or higher; and must be a declared Business Information Systems major and/or a declared Supply Chain Management major. Students will learn how to analyze a business, division, or department for an enterprise. They will investigate how the information systems fit into the traditional roles for a business or industry. Students will also apply communication skills (written, face-to-face, and presentation) in this course.

#### **INSC 30823 - Data Management for Business Information Systems**

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 business database principles. They will also be introduced to data management concepts such as data warehousing, ERPs, business intelligence, the use of consumer data for marketing and business analysis, and data and information presentation, exchange and reporting.

#### **INSC 30833 - Business Information Systems 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 business information systems planning to design and implement a business system. They will learn traditional project management techniques in this process. They will examine several different system development methods such as: SDLC, RAD, JAD, etc. Students will use team building skills, as appropriate in this course.

#### **INSC 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 - Business Information Systems 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 full-time 320-hour internship with a corporation, or governmental agency allowing the student to gain professional experience that integrates the theory and practice of business 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 40363 - Supply Chain Cross Functional Experience**

Prerequisites: Must be a declared Business major. INSC 303013 and permission from Department Chair. This course is the first of a two semester, six credit program designed to provide the selected students the unique opportunity to work side-by-side with supply chain professionals and learn the skills needed to lead in today's important, fast changing supply chain management environment. By rotating through multiple supply chain functional areas within the participant systems. The students will also be responsible for mapping the supply chain of a given product. Through this experience, the student will discover the productivity opportunities that reside in the supply chain and develop a business case for capturing the dollar savings available from changing the processes involved.

**INSC 40373 - Supply Chain Capstone Project Course**

Prerequisites: Must be a declared Business major; INSC 30313 and 40363, and permission of instructor. This course is the second of a two semester, six credit program designed to provide the selected students the unique opportunity to work side-by-side with supply chain professionals and learn the skills needed to lead in today's important, fast changing supply chain management environment. After spending one semester learning the cross functional nature of the supply chain, students will be assigned an in-depth supply chain project which represents a productivity opportunity.

**INSC 40803 - Business Information Systems 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 - Business Information Systems Consulting**

3 hours. Prerequisites: INSC 30833 with a grade of "C" or better, and must be a Business major. Using an existing organization, students will undertake team-based consulting projects. They will complete a real project from initiation through implementation and evaluation. Students will complete all the necessary documentation required during the consulting process. While the students are building and implementing the system they will be introduced to the newest tools, topics, and trends in project management for use in the rapidly changing business information systems environment.

**INSC 40823 - Business Information Systems 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 40833 - Business Integration through Enterprise-Wide Information Systems**

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. This course is designed to introduce students to the underlying need for business process integration in large organizations, the problems that traditionally fragmented information systems create, and the possibility of purchasable enterprise-wide integrated systems. The course also will focus on the difficulties inherent in implementing and using such systems due to the systems requiring considerable changes to business processes. Students will become acquainted with one particular

software package (SAP system), including its architecture and user interface, and will become knowledgeable about the issues and challenges in introducing such systems into large organizations.

#### **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

## **Management Courses**

#### **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 and must be a Pre-business major or student for whom the course is required by their major/minor. 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **MANA 30153 - Organizational Management**

3 hours. Prerequisite: Junior standing, and must be a declared Business major. 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. Students may not receive credit for both MANA 30153 and MANA 30653.

#### **MANA 30303 - Entrepreneurial Leadership**

Prerequisites: MANA 30153 with a grade of at least "C," and must be a business major. This course cannot be taken for credit by students admitted to or enrolled in the BNSF Next Generation Leadership Program. This course is designed to give Entrepreneurial Management majors an understanding of leadership processes that underlie the survival, effective functioning and self-determination of new and growing businesses. To this end, we will examine a number of topics that reflect key individual- and organizational-issues, and critical leadership competencies for entrepreneurs.

#### **MANA 30533 - Entrepreneurial Opportunity Recognition**

3 hours. Prerequisites: must be a Business major. Students may not receive credit for both MANA 30533 (Entrepreneurial Opportunity Recognition) and MANA 30773 (Entrepreneurship and Energy). The course provides an in-depth overview of the challenges involved in identifying and systematically evaluating opportunities for creating new ventures across a wide range of contexts, including startups, social enterprises, and large, established corporations.

#### **MANA 30653 - Survey of Management**

Prerequisites: Junior standing; must be a business minor or receive departmental approval. Students may not receive credit for both MANA 30653 (Survey of Management) and MANA 30153 (Organizational Management.) Management is a required course within the business school minor that exposes students to the basic knowledge and skills that future managers will need to be effective. A student in this course will learn about the environment of business and the issues facing modern managers and employees such as how to engage in effective decision making, planning, and strategic processes that help guide organizations; how to best organize and manage organizations for maximum effectiveness; how to lead and motivate employees and how to work in teams. Students will learn about these components through a combination of assigned readings, in-class exercises, case studies, and team projects.

#### **MANA 30773 - Entrepreneurship and Energy**

Prerequisites: Must be a declared Business major; Permission of instructor. 3 hours. Students may not receive credit for both MANA 30533 and MANA 30773. This course provides insight into the entrepreneurial process with a focus on the Energy Industry. Students are introduced to the entrepreneurial approach for solving problems and developing solutions. Specific areas of coverage include identification of entrepreneurial opportunities, marshaling resources, entrepreneurial leadership, entrepreneurial finance, and the management of rapid growth.

#### **MANA 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 Development**

Prerequisites: MANA 30153 with at least a grade of "C" or better or concurrent enrollment, MANA 30533 with a grade of "C" or better and must be a Business major. The focus is on strategic assessment and preparing plans capable of attracting necessary financing for new entrepreneurial ventures. Successful implementation and the preparation and use of pro forma financial statements as a management tool are emphasized. Students will work through the process of developing a business plan for an entrepreneurial venture.

#### **MANA 40153 - Strategic Management**

3 hours. Prerequisite: Senior standing, Business major, MANA 30153, MARK 30153, FINA 30153, and INSC 30153 or INSC 30313. 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 40203 - Strategic Human Resource Management**

3 hours. Prerequisite: MANA 30153 with a grade of at least "C," and must be a Business major. The study of how organizations strategically align people practices to business strategy to gain competitive advantage. Explores key HR levers available to managers in the development of an effective work system, including: design of jobs, hiring selectively and for fit (staffing), investing in people (training and development), participation and involvement (team-based systems), performance management (and information sharing), design of incentives (compensation), employee separation, and employment law.

#### **MANA 40223 - International Management**

3 hours. Prerequisite: MANA 30153 with a grade of at least "C," and must be a Business major. In an increasingly interconnected world, companies find themselves on the one hand forced to contend with a host of new competitors, but on the other hand facing a broad range of new opportunities for expansion abroad. This course addresses both the pitfalls and opportunities that await managers tasked with setting a direction for their organizations in this changing environment.

**MANA 40633 - Principles of Negotiation**

3 hours. Prerequisites: MANA 30153 with a grade of "C," and must be a business major. Study of distributive and integrative/principled methods of negotiation in interpersonal and intraorganizational contexts. Includes such topics as negotiation strategies, tactics, preparation, social structure, power, ethics, coalition building, and multi-party and international negotiations. Conflict resolution techniques that incorporate negotiation (such as mediation) will also be covered.

**MANA 40653 - Survey of Entrepreneurship**

3 hours. Prerequisites: MANA 30653 with a minimum grade of "C" and must be a business minor. This course introduces the student to the field of entrepreneurship. Students will learn about the individual entrepreneur, the importance of new venture creation, business plan development, and the different aspects of the creation, maintenance, and growth of a new venture over time. Students will also have an opportunity to prepare a business plan for a hypothetical new venture. Students will learn about these components through a combination of assigned readings, in-class exercises, and individual and team projects.

**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 40970 - Special Problems in Management**

(1-6 semester hours) This course may be repeated for credit.

**Marketing Courses**

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**MARK 30113 - 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 30153 - Marketing Management**

3 hours. Prerequisite: Sophomore standing, and must be a Business major. 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 30233 - Market Analysis**

3 hours. Prerequisite: Grade of "C" or higher in MARK 30153, successful completion or concurrent enrollment in MARK 30113, and must be a Business major. This course is designed to equip students with the skills necessary to analyze markets, industries, and competitors; enable them to make a complete financial analysis of income statements and balance sheets as they reflect marketing activities; to develop marketing budgets and project financial implications of marketing decisions, and to use secondary data and quantitative tools effectively in analyzing customers and markets.

**MARK 30243 - Customer Insights**

Prerequisites: Grade of 'C' or higher in MARK 30153; must be a Business major. The most complex aspect of marketing is understanding the mind and heart of the consumer. If consumer

behavior was easy to explicate, then all products would sell as well as projected, all ads would be effective, economies would be efficient, and marketing would be a simple prospect. In actuality, consumers are frustrating and irrational and difficult to predict. This course focuses on providing you with the basic tools to gain insights into consumer behavior.

**MARK 30653 - Principles of Marketing**

Prerequisites: Sophomore standing, and must be a business minor or receive departmental approval. Students may not receive credit for both MARK 30153 and MARK 30653. This course introduces the theory and practice of marketing, including the basic structure of getting products/services to market; the fundamentals of marketing: consumer research, product planning, promotion of all types, distribution channels, pricing, and retail merchandising. The content will focus on marketing activities in consumer, reseller, industrial, government, and service markets. This course is not for business majors.

**MARK 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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.; successful completion of MARK 30113, MARK 30233, and successful completion or concurrent enrollment in MARK 30243. Preparation of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**MARK 40203 - Marketing Strategy**

3 hours. Prerequisites: Grade of "C" or higher in MARK 30153 and must be a Business major; successful completion or concurrent enrollment in, the classes necessary to complete a marketing major; and senior standing. 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. A comprehensive marketing analysis and plan will also be developed and presented by students working in teams. Enrollment by permission only.

**MARK 40213 - International Marketing**

3 hours. Prerequisites: Grade of "C" or higher in MARK 30153 and must be a business major; successful completion of MARK 30113 and MARK 30233, and successful completion or concurrent enrollment in MARK 30243. 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; and must be a Business major; successful completion of MARK 30113 and MARK 30233, and successful completion or concurrent enrollment in MARK 30243. 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 40233 - Integrated Marketing Communications**

Prerequisites: A grade of 'C' or higher in MARK 30153 and must be a business major; successful completion of MARK 30113 (Marketing Research) and MARK 30233 (Market Analysis), and successful completion or concurrent enrollment in MARK 30243 (Customer Insights). 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 40243 - New Product Planning and Brand Management**

Prerequisites: A grade of 'C' or higher in MARK 30153 and must be a business major; successful completion of MARK 30113 (Marketing Research) and MARK 30233 (Market Analysis), and successful completion or concurrent enrollment in MARK 30243 (Customer Insights).

**MARK 40253 - Sales Management**

3 hours. Prerequisite: Grade of "C" or higher in MARK 30153, and must be a Business major; successful completion of MARK 30233 and MARK 30113, and successful completion or concurrent enrollment in MARK 30243. 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 40263 - Relationship Selling**

Prerequisites: A grade of 'C' or higher in MARK 30153 and must be a business major. In addition, successful completion of MARK 30113 (Marketing Research) and MARK 30233 (Market Analysis), and successful completion or concurrent enrollment in MARK 30243 (Customer Insights). There are several learning objectives for students in Personal Selling. Primary to the course is the student's mastery of communication and presentation skills in the interpersonal and formal speaking environments. One part of the course covers the text materials providing the student with a background in the fundamental aspects of persuasive communications, overcoming objections, and presentation planning. Once these topics are mastered, the student then executes a persuasive and formal sales presentation, which is videotaped and critiqued. Also, this course is designed to provide an understanding of the sales process and its role in business (and non-business) organizations and society. The student is expected to acquire a working knowledge of sales concepts and terminology pertinent to the field. You will explore the nature of the sales process and its functions, including presentation strategy, informative delivery, closing techniques, and an exploration of the various opportunities in sales as a career. We will also cover areas such as personal attire, speaking skills, and interpersonal transactions. Your most important assignment in this class is to sell yourself- and to do that you must believe in the product.

**MARK 40653 - Principles of Marketing Communications**

Prerequisites: Grade of "C" or better in MARK 30653, and must be a business minor. This course introduces the ways in which a firm communicates with its target markets. These forms of communications include advertising, promotion, point-of-purchase, public relations, personal selling, and direct marketing tools. We will be concerned with these form a marketing management perspective and will, therefore, examine topics such as the situation analysis, the use of research tools, consumer behavior theory, setting objectives, position, and developing and integrating an underlying strategy for developing effective marketing communications programs.

**MARK 40700 - Marketing Study Abroad**

3 hours. Prerequisite: MARK 30153, permission of instructor, and must be a Business major; successful completion of MARK 30113 and MARK 30233, and successful completion or concurrent enrollment in MARK 30243. 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, must be a Business major; successful completion of MARK 30113 and MARK 30233, and successful completion or concurrent enrollment in MARK 30243. This course may be repeated for credit.

## Business Administration Bachelor's Degree Program

To declare a business major, all pre-business students must formally apply for admission to upper-division business courses. Students typically apply in their sophomore year for admission to upper-level courses (most 3000-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 3000-level or above) business courses, all pre-business students must:
  - Complete the lower-division sequence requirements (see below);
  - Have a minimum TCU cumulative GPA of 2.50 (must have at least a 3.0 to be competitive);
  - Have a minimum GPA of 2.50 in those courses designated as lower-division requirements;
  - Demonstrate computer skills competency by passing Microsoft Office Specialist exams in Word, PowerPoint and Excel;
  - Go through a professional interview; and
  - Be formally admitted to the Neeley School. Contact the Neeley Student Resource Center regarding admission 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, business information systems, 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, business information systems, 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 BNSF Next Generation Leadership Program. Each program provides a structure to recognize students who have achieved a unique combination of experience and academic coursework. A special designation is placed on the transcript of those students successfully completing the requirements of the emphasis.
4. *Major Change to Business.* Current TCU students who wish to change their major to business (internal transfer students) must formally apply to the Neeley School to become a business major. Admission is limited, competitive and not guaranteed. Change of major requests are reviewed once per academic year, typically at the end of the spring semester with applications due April 15 each year. A student with a GPA of less than 3.25 is unlikely to be admitted. Internal transfer students who are accepted as pre-business must meet all of the additional Neeley School admission requirements to be considered for advancement to upper-division business courses. Contact the Neeley Student Resource Center regarding policies, procedures and deadlines.
5. *Transfer Students.* The TCU Office of Admission makes the decisions on all transfer applicants. Students seeking to transfer to TCU from another institution should indicate business as their primary area of interest on the admission application. To be considered for admission as pre-business transfer student from a four-year university, students should have at least a 3.0 transfer GPA. Community college transfer applicants should have a minimum 3.25 transfer GPA to be considered. Transfer students admitted as pre-business must meet additional requirements to advance to upper division courses.
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, contact the Neeley Student Resource Center.

### Business/Pre-Business Students

#### Entering Freshmen

- Students begin taking lower-division sequence requirements.

- Students entering pre-business must complete a minimum of 24 credit hours in the first year at TCU and obtain a minimum 2.5 GPA in order to continue as pre-business beyond the first year.

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

Freshman Year Fall	Freshman Year Spring
ENGL 10803 Introductory Composition	**MATH 10283 Introductory Applied Calculus or INSC 20153 Statistical Analysis
**MATH 10283 Introductory Applied Calculus or *MATH 10273 Applied Pre-Calculus	ECON 10233 Introductory Macroeconomics
ECON 10223 Introductory Microeconomics	Core Curriculum Requirement (3 credits)
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 10053. Students who have high school credit for pre-calculus and at least a 600 SAT math score are exempt from MATH 10273 or 10053.

**Sophomores**

- Students continue taking lower-division sequence requirements.

Suggested sequences of courses:

Sophomore Year Fall	Sophomore Year Spring
ENGL 20803 Intermediate Composition	ACCT 20163 Principles of Managerial Accounting
ACCT 20153 Principles of Financial Accounting	INSC 20263 Business Information Systems
MANA 20153 Legal Environment of Business	BUSI 20153 Ethical Decision Making
BUSI 20173 Foundations of Business	Core Curriculum Requirement (3 credits)
Core Curriculum Requirement (3 credits) or INSC 20153	Core Curriculum Requirement (3 credits)
<b>Total Credits 15</b>	<b>Total Credits 15</b>

Students formally apply for admission to a specific major(s) and upper-division business courses by submitting the online application to the Neeley Student Resource Center. To qualify students must:

- Have a minimum 2.50 cumulative TCU GPA; 3.0 to be competitive;
- Have a minimum 2.50 lower-division requirement GPA; and
- 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**

- Students declare one or more major(s) in accounting, business information systems, entrepreneurial management, finance (or finance with a real estate concentration), marketing or supply and value chain management.
- Students begin upper-division business core courses.

Contact the Neeley Student Resource Center for suggested sequence of courses by major.

**Seniors**

- Students complete upper-division business core.
- Students 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 Department of Management); recommended to be taken in the last two semesters.

Contact the Neeley Student Resource Center for suggested sequence of courses by major.

**Transfer Students**

- Students must be admitted as pre-business.
- Students 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, business information systems, 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.

**BBA Core Curriculum Requirements**

**Components of the BBA Degree**

The BBA program in the Neeley School of Business comprises four blocks of coursework.

**TCU Requirements for Bachelor of Business Administration**

<i>Core Curriculum</i> 39 to 63 hours
<i>Business Core Curriculum</i> 36 hours
<i>Major Course Requirements</i> 18-24 hours
<i>Free Elective Courses</i> 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 electives vary, depending on choice of major(s).

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

1. *Essential Competencies: 18 semester hours*
  - Written Communication: 6 hours (ENGL 10803, 20803)
  - Mathematical Reasoning: 3 hours (MATH 10283 or 10524)\*
  - \*Credit is not allowed for both MATH 10283 and 10524
  - Oral Communication: 3 hours
  - Writing Emphasis: 6 hours (3 hours must be in the major)
2. *Human Experiences and Endeavors: 27 semester hours;* courses in the humanities, social sciences and natural sciences must be satisfied in at least two different areas (as defined by course prefixes).
  - Humanities: 9 hours
  - Social Sciences: 9 hours to include macroeconomics and microeconomics
  - Natural Sciences: 6 hours
  - Fine Arts: 3 hours
3. *Heritage, Mission Vision and Values: 3 semester hours in each category.* Approved courses from the experiences and endeavors core; the major and the minor, may also satisfy requirements.
  - Religious Traditions
  - Historical Traditions
  - Literary Traditions
  - Cultural Awareness (must be taken at TCU)
  - Global Awareness (must be taken at TCU)
  - Citizenship and 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; these courses 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 Business Information Systems (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 10524.  
 \*\* COSC 10203 is not a substitute for INSC 20263 and can only be used for free elective credit toward a BBA degree.

2. Attainment of a minimum GPA 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:* 30000-level or above except MARK 30153 courses 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 Department of Management.)  
 \*Students may not receive credit for both INSC 30153 and 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 in the Neeley School has a different set of major course requirements. These are described in detail in the Neeley School major programs section.
  2. Students must take six hours of writing emphasis courses in their major, with the exception of finance majors, who require nine 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). See an academic adviser 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

Accounting has been called "the language of business." In fact, it is much more. Managers of nearly all organizations, whether business, nonprofit 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 careers in public accounting or other professional accounting careers. The MAC

Program complements the educational experience of the BBA accounting major by providing the additional accounting and business knowledge needed by successful public accounting practitioners.

## Accounting Major Requirements

### *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	Risks and Controls
ACCT 40273	Audit and Assurance

In addition, students must complete three 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:* Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Business Information Systems

The effective, efficient and innovative use of business information systems is an important element in achieving competitive advantages for businesses and excellence in services for government and nonprofit organizations. In particular, the globalization of trade, the emergence of information economies, and the growth of the Internet and other global communications networks have recast the role of information systems in business and management. In today's business world, companies increasingly rely on high caliber professionals who understand how to use information technology to design global business organizations linking factories, offices and mobile sales forces around the world and around the clock.

A business information system (BIS) major provides a challenging but rewarding opportunity for business students to prepare themselves to become a competent business information systems professional. Students will develop the ability to design, implement and manage an infrastructure of information technology, data and enterprise-wide systems, all of which are fundamental to improve and optimize the business activities across the organization. They will have the skills to manage, analyze and develop various business applications dealing with systems in corporations. They will also be able to assist in incorporating information systems into the strategy, planning and practices of organizations.

## Business Information Systems Major Requirements

The BIS major requires 21 semester hours.

### *Specific Course Requirements*

INSC 30713	Business Information Systems Programming and Applications
INSC 30723	Business Information Systems Planning
INSC 30823	Data Management for Business Information Systems
INSC 30833	Business Information Systems Development
INSC 40013	Business Information Systems Professional Internship
INSC 40813	Business Information Systems Consulting
INSC 40833	Enterprise-Wide Information Systems

*Free Electives:* Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Entrepreneurial Management

The entrepreneurial management major offers a unique combination of specialization and generalization in the study of entrepreneurship and management. Nearly all forms of activity in profit and nonprofit organizations involve some form of management, and most demand an entrepreneurial mindset for success. 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 provides opportunities to explore the strategic, organizational and people aspects of business, as well as the range of skills employed by today's entrepreneurs and leaders, including strategic planning, communication and conflict management, negotiation, team building, creative problem solving, leadership, entrepreneurship, business plan development and implementation, managing small business growth, and others. Career opportunities for those with strong entrepreneurial management skills are among the most diverse because virtually any for-profit and nonprofit organization requires entrepreneurial and leadership capability.

### Entrepreneurial Management Major Requirements

The entrepreneurial management major requires 18 semester hours.

#### Specific Course Requirements

MANA 30303	Entrepreneurial Leadership
MANA 30533	Entrepreneurial Opportunity Recognition (Writing Emphasis)
MANA 40203	Strategic Human Resources Management (Writing Emphasis)
MANA 40143	New Venture Development
MANA 40223	International Management

In addition, the student must complete a minimum of three semester hours from any of the following elective courses available in entrepreneurial management:

MANA 40123	Managing the Emerging Venture
MANA 40163	Ventures in Transition
MANA 40633	Principles of Negotiation
MANA 40753	Managing Business Ethics
MANA 40970	Special Problems in Management

*Free Electives:* Please note that these required and elective courses may not be offered every semester. Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Finance

A finance major concentrates on the management of financial resources for the firm or 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 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 may apply for a position on the Educational Investment Fund and, if selected, 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 Requirements

At least 21 semester hours are required for the finance major.

#### 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 three 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 40533	Financial Analysis
FINA 40603	Real Estate Law
FINA 40613	Real Estate Finance and Investment Analysis
FINA 40623	International Finance
ACCT 30303	Introduction to Federal Taxation

*Free Electives:* Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

### 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.

The finance major with a real estate concentration requires 24 semester hours.

#### Specific Course Requirements

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:* Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

### Finance/Accounting Double Major

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	Risk and Controls
ACCT 40273	Audit and Assurance
ACCT 30303	Introduction to Federal Taxation must also be taken to fulfill the one course elective requirement for finance.

## Marketing

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 an organization perceives an unmet need and progresses through productive development, promotion, distribution and pricing. Marketing research suggests that one-half the cost of most products and services can be attributed to marketing.

### Marketing Major Requirements

The major in marketing requires 21 semester hours.

#### Specific Course Requirements (12 semester hours)

MARK 30113	Marketing Research
MARK 30233	Market Analysis (Writing Emphasis)
MARK 30243	Customer Insights
MARK 40203	Marketing Strategy (Writing Emphasis)

In addition, the student must complete six semester hours from one of the following four career tracks:

#### Product and Brand Management

MARK 40243	New Product Planning and Brand Management
MARK 40223	Services Marketing

#### Sales and Sales Management

MARK 40253	Sales Management
MARK 40263	Relationship Selling

#### Marketing Communications Management

MARK 40233	Integrated Marketing Communications
MARK 40263	Relationship Selling

### Global Marketing Management

MARK 40213	International Marketing
MARK 40700	Marketing Study Abroad-or any approved study abroad course

In addition, -students must complete three hours of electives from the following:

Any three-hour	40000 level marketing course
MARK 40003	Senior Honors Research Paper
MARK 40970	Special Problems in Marketing
INSC 40323	Procurement/Supply Management (Prerequisite INSC 30313)
JOUR 40703	Strategic Communication Campaigns (Section 80 only)

Any appropriate course approved by the department chair

*Free Electives:* Students should consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Supply and Value Chain Management

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.

### Supply and Value Chain Management Major Requirements

The major in supply and value chain management requires 21 semester hours.

#### Specific Course Requirements

INSC 30723	Business Information Systems Planning
INSC 40303	Demand Planning and Management
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

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:* Students must consult their academic adviser in the NSRC to determine the number of elective hours needed to reach 124 total hours.

## Bachelor of Business Administration with Special Emphasis

### International Emphasis

Business students may complement their major in accounting, business information systems, 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 is 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: Six hours from the following courses (three hours must be in your major.) For accounting and business information systems majors, choose two of the classes that best support academic interests.

FINA 40623	International Finance
MANA 40223	International Management

MARK 40213	International Marketing
INCS 40353	Global Supply Chain Management

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

Students must complete a minimum of nine 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

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.

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.

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 TCU Core Curriculum or their equivalents are sufficient to demonstrate proficiency in their secondary language of English.

#### Part IV: Experiential Component

Students working toward an international emphasis are 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. The experiential component may be waived for foreign students.

## Neeley School of Business Special Programs

### 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 more than \$2 million 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 former members represent a worldwide network of potential contacts for current members.

### Neeley Fellows Program

The Neeley Fellows Program is an undergraduate program that aims to educate and develop individuals of extraordinary potential with curricular and co-curricular experiential learning opportunities to affect change in the global business community.

Neeley Fellows who are in the TCU Honors Program can satisfy sophomore-senior requirements of the Honors Program through the Fellows curriculum and graduate with Interdepartmental Honors in Business.

Neeley Fellows complete experientially enhanced courses that are taught by exceptional faculty in a smaller class format. Most courses carry Honors designation.

### BNSF Next Generation Leadership Program

The BNSF Next Generation Leadership Program is a two-year leadership development experience for Neeley School undergraduates. This program focuses on leadership development specifically within the business school major.

Innovative courses, coaching, community service projects and co-curricular activities give students the opportunity to learn about themselves and hone their leadership skills. The BNSF Next Generation

Leadership Program provides Neeley students the tools to become tomorrow's leaders in the business world.

The BNSF Next Generation Leadership Program consists of four leadership courses, preceded by the required business ethics course, which helps 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 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 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.

Students 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

### Supply Chain Student Executive Program

The Supply Chain Student Executive Program is an excellent opportunity for selected supply chain seniors to work closely with a company during their last two semesters. Students in the program interact with company executives, analyze their supply chain and work on an improvement project. This program not only gives students a competitive advantage when interviewing for full-time positions, it is also a valuable complement to their classroom knowledge. The two courses are: INSC 40363 (Supply Chain Cross Functional Experience) and INSC 40373 (Supply Chain Capstone Project Course). Selected students will take this program for six credits, and it will take the place of the Supply and Value Chain Strategies (INSC 40343) and one general business elective.

Selection for this program is based on a minimum 3.2 GPA, demonstrated leadership skills, and excellent verbal and written communication skills. Approximately 10 percent of supply chain seniors are selected to participate.

## Business Minor and Double Majors

### Business 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.

### Business Minors and Double Majors

#### Accounting Minor

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 business information systems, 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.

#### Finance Minor

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, business information systems, 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 six 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 40533	Financial Analysis
FINA 40623	International Finance
FINA 40613	Real Estate Finance and Investment Analysis

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

### Business 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 to fulfill an elective requirement imposed by accounting. ACCT 30303 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	Risks and Controls
ACCT 40273	Audit Assurance

They must take ACCT 30303 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 catalog.

## General Business Minor for Non-Business Majors Details

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, 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 (12 semester hours)

ACCT 20653	Introduction to Accounting
MARK 30653	Principles of Marketing

FINA 30653 Financial Planning  
MANA 30653 Survey of Management

*Electives*

Choose six semester hours from:

MANA 40653 Survey of Entrepreneurship  
MARK 40653 Principles of Marketing Communications

*Minimum GPA:* To graduate with a general business minor, students must obtain a minimum GPA of 2.5 in courses making up the minor.

# College of Communication

The role of communication in the 21st century continues to be a vital and integral part of TCU's educational mission. Today, more than 1,000 students concentrate their studies within one school and two departments housed in the College of Communication. Degree programs are available in journalism, strategic communication, communication studies and film, television, and digital media. 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.

The college is organized into one school and two departments -- the Schieffer School of Journalism and the departments of Communication Studies and Film, Television, and Digital Media. The following areas of study are offered:

### **Schieffer School of Journalism**

News Editorial  
Strategic Communication  
Broadcast Journalism  
International Communication

### **Department of Film, Television, and Digital Media**

Production  
Industry  
Analysis

### **Department of Communication Studies**

Organizational Communication  
Interpersonal Communication  
Public Speaking  
Communication Theory and Research

## College of Communication Degrees

The College of Communication offers both the Bachelor of Arts and the Bachelor of Science degrees with a major in the Schieffer School of Journalism, the Department of Film, Television, and Digital Media or the Department of Communication Studies.

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 catalog. In addition, students must complete the TCU Core Curriculum.

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)
- Fourth Semester College 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 Admission. 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.

### **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 school as to acceptable additional majors administered in or outside of the College of Communication.

### **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 may take up to two courses (eight hours maximum) on a Pass/No-Credit basis. (P/NC) No course applied to the student's major, minor or associated requirements may be taken on the P/NC basis. Courses offered only with the P/NC grade will not be counted toward this limit on the number of P/NC hours. Prior work will count.

### **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 chair is required in contract form for all non-traditional courses (i.e., special problems, independent study, research problems, etc.). Per University policy, students wishing to pursue independent study must receive all necessary approvals at least one semester in advance of the semester in which the independent study will occur.

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

## College of Communication Student Organizations

### **Fraternities and Sororities**

Kappa Tau Alpha (Journalism Honor Society)

### **Clubs**

Student Film Association  
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

## Communication Studies

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. A major in communication studies provides students with the understanding of interpersonal and public communication processes needed for careers in teaching or research, as well as further professional or academic study. Students have the opportunity to develop proficiency in spoken communication in an academic program providing flexibility and adaptability to a variety of professional contexts.

Students may declare a major in communication studies in one of two ways. Incoming freshmen and transfer students may declare a major in communication studies upon entering the University. Current TCU students may declare a major in communication studies after earning a minimum GPA of 2.5 for the following courses: COMM 10123 or 10133, 20113, 20223 and 30163.

Majors taking classes counting toward departmental degree requirements must take them for graded credit. Any courses completed in the department receiving a pass under the 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. Students may not receive credit toward the communication studies major for both COMM 10123 and 10133.

All courses counted toward a major or minor in COMM must be met with a grade of "C" or better.

### Honors Program

Communication studies majors who plan to pursue departmental honors must be members of the University 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 Department of Communication Studies concerning additional guidelines.

### Communication Studies Degree

The Department of Communication Studies offers both the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees.

### Communication Studies Major Requirements

The BS with a major in communication studies consists of a total of 124 semester hours: 36 semester hours in communication studies, including COMM 10123 or 10133, 20113, 20223 and 30163. It is expected that these four courses will be completed within the first 18 hours of COMM coursework. Additional requirements include either a minor of 18 semester hours or a second major, plus core curriculum requirements as described elsewhere in the catalog.

The BA with a major in communication studies consists of a total of 124 semester hours: communication studies—27 semester hours, including COMM 10123 or 10133, 20113, 20223 and 30163. It is expected that these four courses will be completed within the first 18 hours of COMM coursework. Additional requirements include either a minor of 18 semester hours or a second major, plus core curriculum requirements. An internship may not be counted as part of the 27 semester-hour requirement in the major. BA students must complete at least six hours in modern language beyond the freshman level.

### Communication Studies Minor

A minor requires 18 semester hours, including COMM 10123 and a sequence of approved courses. A minimum of six 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 the 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.

### Communication Studies Courses

#### COMM 10123 - Basic Speech Communication

Surveys fundamental communication concepts with emphasis on developing public speaking skills.

#### COMM 10133 - Business and Professional Speaking

The role of communication studies in the modern organization with special focus on the development of communication skills particular to business and the professions.

#### 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 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 - Listening

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 - Communication Theory

Applies communication theory and practice to a broad range of communication phenomena in intrapersonal, interpersonal and public communication settings.

#### COMM 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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; 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 30183 - Issues in Organizational Communication**

Prerequisites: COMM 30163. Explores organizational communication within special contexts. Included theoretical concepts applicable to conflict, culture, media, etc. Repeatable for maximum of 6 hours.

**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. Repeatable for maximum of 6 hours.

**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 - Intercultural Communication**

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 30283 - Communication Inquiry**

Prerequisites: COMM 20223, 20113. Explores fundamental principles of communication research. Students will develop as critical consumers of communication research and will learn to design, conduct, analyze, and report individual research projects.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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. Open to majors only.

**COMM 40133 - Communication and Character**

Prerequisites: COMM 20113. The development and use of communication skills to manifest positive character traits for the benefit of self, others, and society at large.

**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 40203 - Communication and Civic Engagement**

Prerequisites: COMM 20113 and 30163; or by instructor permission. Examines the role and use of communication in community involvement. Includes a service learning component engaging students in community work. Specifically, students use principles and skills developed in communication courses in service tasks involving presentations, meetings, advancing relationships and addressing conflict.

**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 40223 - Family Communication**

Prerequisites: COMM 20113. This course is designed to investigate the nature of family communication patterns and the extent to which different communication activities contribute to, and change, familial identity. Students will explore complex definitions of "family," family interaction from different theoretical lenses, the role of family rituals, narratives, and storytelling in constructing family identity, and the role of family power, conflict, and stress on family interaction.

**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 50243 - The "Dark Side" of Interpersonal Communication**

Prerequisites: COMM 20113. This advanced seminar is designed to provide an introduction to the various messages and message strategies that fall within the purview of the "dark side" of interpersonal communication. Students will examine a variety of interpersonal communication behaviors that problematize that is considered ethical, moral, and/or functional in healthy relationships, including jealousy, envy, revenge, conversational dilemmas, fatal attractions, deception, infidelity, and abuse, among others.

**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.

## Schieffer School of Journalism Overview

The Schieffer School of Journalism offers majors in strategic communication, broadcast journalism, international communication and news-editorial journalism. Degrees offered through the school include the Bachelor of Arts (BA), the Bachelor of Science (BS) and the Master of Science (MS). Minors are available in strategic communication, broadcast journalism and news-editorial journalism. The school is not currently accepting minors in strategic communication.

### Schieffer School of Journalism

The mission of the Schieffer School of Journalism 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 school prepares students to communicate in a democracy to its diverse audiences through critical thinking, analytical writing and multi-platform media presentation 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 and 44 hours may be taken in journalism or other mass communication courses, including film, television, and digital media. 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 (GSP) 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 (e.g., courses in writing, editing and graphics) in journalism without having passed the GSP. Students may take the GSP exam only three times. The University's writing center offers special classes in GSP preparation before the test administration dates. Additional information on the test is also available at [www.schiefferschool.tcu.edu](http://www.schiefferschool.tcu.edu). Students must check the journalism Web site to determine the exact dates and times the exam is administered. For dates and times go to [www.schiefferschool.tcu.edu](http://www.schiefferschool.tcu.edu) - Resources - GSP. Successful completion of the GSP exam is necessary to enroll in the first writing course: JOUR 10113, which must be passed with a grade of "C" or better before students can take any course for which JOUR 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. No course applied to the student's major, minor or associated requirement may be taken on the Pass/No-Credit basis.

Five professional organizations have chapters affiliated with the Schieffer School of Journalism: 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.

### Journalism Major Change Requirements

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

### Honors Program

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

### Journalism Degrees

The Schieffer School of Journalism offers majors in strategic communication, broadcast journalism, international communication and news-editorial journalism.

### Newspaper or Magazine Emphasis News-Editorial Major

The BA with a major in news-editorial (Newspaper or magazine emphasis) requires 124 hours with 39 hours in journalism, including JOUR 10103, 10113, 20001, 20103, 30203, 30343, 40101, 40463, 40493, 40523, 40613, 40981 and nine hours of journalism electives. Additional requirements include a minor of 18 hours or a second major in a complementary field. Students should consult with their adviser for suggestions.

The BS with a major in news-editorial (newspaper or magazine emphasis) requires 124 hours with 39 hours in journalism, including JOUR 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 Department of Mathematics or M.J. Neeley School of Business is required. A second major or a minor is strongly recommended but is not required; students should consult with their adviser for suggestions.

### International Communication News Specialization Major

The BA with a major in international communication (news specialization) requires 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 adviser. The news specialization requires JOUR 10103, 10113, 20001, 20103 30203, 30543 or 30343, 40101, 40463, 40523, 40543, 40981, 50173 and nine hours of journalism electives.

### International Communication Global Strategic Communication Specialization Major

The BA with a major in international communication (global strategic communication specialization) requires 124 hours with 40 hours in journalism for the global strategic communication 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 adviser. Required journalism courses are JOUR 10103, 10113, 20001, 30313, 30403, 30413, 30453, 30803, 40513, 40523, 40543 and 40903, with six hours of electives.

All international communication (global strategic communication specialization) majors must complete the following four courses—JOUR 10103, 10113, 30403 and 30313—with a 2.0 or better and a combined GPA of a 2.5 before enrolling in JOUR 30413, 30453, 30803, 40513, 40523, 40903 and 40703.

### Strategic Communication Major

The BS with a major in strategic communication requires 124 hours with 40 hours in journalism, including JOUR 10103, 10113, 20001, 30313, 30403, 30413, 30453, 30803, 40513, 40523, 40903, 40703 and six hours of journalism electives. A statistics course taken in either the Department of Mathematics or M.J. Neeley 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.

All strategic communication majors must complete the following four courses—JOUR 10103, 10113, 30403 and 30313—with a 2.0 or better and a combined GPA of a 2.5 before enrolling in JOUR 30413, 30453, 30803, 40513, 40523, 40903 and 40703.

### Broadcast Journalism Major

The BS with a major in broadcast journalism requires 124 hours with 36 hours of journalism courses. A minor is not required. Required courses are JOUR 10103, 10113, 20001, 20103 20203, 30203, 30543, 40203, 40523, 40101, 40553, 40981 and six hours of journalism electives.

### Journalism Minors

*News-Editorial Emphasis:* 18 hours in journalism, including JOUR 10103, 10113, 20103, 30203, 40523 and three other approved hours.

*Broadcast Emphasis:* 18 hours in journalism, including JOUR 10103, 10113, 20103, 20203, 30203 and 30543.

*Strategic Communication Emphasis:* 18 hours in journalism, including JOUR 10103, 10113, 20103, 30313, 30403 and 40523. Students who declare any minors offered by the school may not enroll in JOUR 40451. The Schieffer School of Journalism is currently not accepting minors in strategic communication.

### Journalism Teaching Certification

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

### Schieffer School Graduate Programs

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 in the undergraduate catalog. For courses at the 60000 and 70000 level, consult the University's graduate catalog.

### Journalism Internships

Students are encouraged to serve in internships with newspapers, magazines, radio or television stations, public relations or advertising agencies or departments. The Schieffer School of Journalism 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. Additional information on internship policies and procedures is available at [www.schiefferschool.tcu.edu](http://www.schiefferschool.tcu.edu).

### Student Publications

The Schieffer School of Journalism sponsors three student publications, the TCU *Daily Skiff*, [DailySkiff.com](http://DailySkiff.com); and *Image*, a general interest magazine, provide opportunities for students to gain practical, hands-on experience in every phase of newspaper, magazine and Internet publishing.

### 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

#### Strategic Communication

JOUR 30313	Advertising Principles
JOUR 30403	Public Relations Principles
JOUR 30413	Creative Communications
JOUR 30523	Media Marketing and Promotions
JOUR 30803	Writing for Strategic Communication
JOUR 40403	Strategic Communication Cases and Problems
JOUR 40451	Internship
JOUR 40503	Integrated Marketing Communications
JOUR 40513	Channel Planning and Strategy
JOUR 40533	Global Branding
JOUR 40703	Strategic Communication 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 10203	Introduction to News
JOUR 20203	Radio/TV Newswriting
JOUR 30543	Multimedia Reporting
JOUR 40203	Newscast
JOUR 40451	Internship
JOUR 40553	Issues in Broadcast News
JOUR 40563	Newsroom Management

#### International Communication

JOUR 40153	Global Communication in Context
JOUR 40223	Issues in Global Media
JOUR 40533	Global Branding
JOUR 40543	International and Intercultural Communication
JOUR 40603	Global Strategic Communication in Theory and Practice
JOUR 40963	Topics in International and Ethnic Media

#### News-Editorial Journalism

JOUR 30203	Reporting
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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 20453	Interactive Communication Design
JOUR 30003	Junior Honors in Journalism
JOUR 30253	General Semantics for Mass Communications Practitioners
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
JOUR 50333	Advertising and the Consumer

### Journalism Courses

#### 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 10203 - Intro to News

This course is an introduction to journalism, its skill sets and its issues. This class will consist of lectures, readings in the text, and the development of news skill sets.

#### 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 20453 - Interactive Communication Design

Study of the Web and interactive communication, its history, social and business perception and application. Introduction to advanced design software. Overview of planning and construction of convergence platforms including blogs, Web sites and Flash multimedia.

**JOUR 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 both still and moving pictures.

**JOUR 30253 - General Semantics for Mass Communication Practitioners**

The application of the principles of General Semantics -- how language affects the communication process -- to the practice of journalism, advertising, and public relations.

**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 - Creative Communications**

Prerequisites: JOUR 10113, 30313, and 30453, with a grade of 2.0 or higher in each. Planning, creating, and producing materials for strategic communication.

**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 - Communication Graphics**

Prerequisite: JOUR 10113, with a grade of 2.0 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: FTDM Majors: at least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 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 FTDM or JOUR credit.)

**JOUR 30543 - Multimedia Reporting**

Prerequisite: JOUR 30203. Principles and practices of news gathering, writing and editing video, audio and emerging story forms.

**JOUR 30803 - Writing for Strategic Communication**

Prerequisites: JOUR 10113, 30313, 30403, and 30453 with a grade of 2.0 or higher in each. Instructional and writing practice to develop the professional-level writing skills required in strategic communication, emphasizing the different approaches required for different audiences and channels.

**JOUR 30853 - Historical Development of Mass Media**

Development of American journalism. Political, social and economic interaction of the media and society

**JOUR 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 - Newscast**

Prerequisites: JOUR 30543. Reporting, editing, and anchoring for television; application of advanced production techniques; production newscast(s). 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 - Strategic Communication Cases and Problems**

Prerequisites: JOUR 30313 and 30403. Application of principles to a variety of cases and problems. Study of current strategic communication 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 - Channel Planning and Strategy**

Prerequisite: JOUR 10113, 30313, 30403, with a grade of 2.0 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 Branding**

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 - Newsroom Management**

This course provides an intensive study of the management, organization, and leadership structures of contemporary newsrooms.

**JOUR 40603 - Global Strategic Communication 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 - Strategic Communication Campaigns**

Prerequisites: JOUR 30313, 30403, 30413, 30453, 3080, 40513, and 40903. 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**

Prerequisites: JOUR 10113, 30313, 30403, with a grade of C or higher. An introduction to the process and design of research and the methodology commonly used in advertising and public relations. The emphasis in this class is on using research to shape strategic communication.

**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.

**JOUR 50333 - Advertising and the Consumer**

This course presents theories and models from psychology, sociology, marketing and communications to examine consumers -- how they react to advertising and promotion and their subsequent consumer behavior.

**Film, Television, and Digital Media**

Academic standards in the Department of Film, Television, and Digital Media (FTDM) are high. They include (but are not limited to) minimum GPAs, for students pursuing the FTDM major. Interested students should contact the department for current standards and procedures.

The department encourages students to see the media industries from multiple perspectives and prepares students for many different careers. After a set of three basic courses, students are required to take a mix of courses from three areas: production, industry and analysis.

The Department of Film, Television, and Digital Media 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.

Departmental facilities and resources include KTCU, the student-operated campus radio station; two digital soundstages; a New Media lab; post-production facilities, including Avid and Final Cut Pro; a Pro Tools suite with Foley stage; and the Gwendolyn P. Tandy Memorial Film Library, a teaching resource with a current total of more than 14,000 films and television programs on DVD, laser disc and VHS.

**Roach Honors Program**

FTDM majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in FTDM 30003 during their junior year and FTDM 40003 during the fall semester of their senior year.

**Transfer Students**

Transfer students admitted to TCU are not guaranteed admission to the FTDM major. All potential FTDM majors, including transfer students, must complete the three FTDM basic courses (FTDM 10113, 10123 and 10143) and then follow the procedures to compete in the major. Transfer students must submit a written request if they wish the department to consider accepting any substitutes for FTDM 10113, 10123 or 10143. Each request will be considered on an individual basis.

**Internships**

The Department of Film, Television, and Digital Media has an active supervised internship program that places students in television studios, film production companies, audience research companies and corporate/industrial media centers. Interns may be placed in major media markets such as Los Angeles, New York, London, in the Dallas/Fort Worth metroplex or in their hometowns. FTDM internships are available only to FTDM majors, and there are specific prerequisites. Interested students should contact the FTDM department for current standards and procedures.

**Study Abroad**

Contact the FTDM department for current details and schedules for study abroad opportunities.

**Film, Television, and Digital Media Program Requirements**

The Department of Film, Television, and Digital Media requires the following:

- A minimum of 124 semester hours overall, including at least 42 semester hours earned at the 30000-level or above;
- A minimum of 37 semester hours in the FTDM major courses is required, including at least 12 semester hours at the 30000-level or above;

- FTDM majors must complete a minor of at least 18 hours. All requirements of the minor department must be followed;
- FTDM majors must complete the TCU Core Curriculum requirements as described elsewhere in this catalog; and
- A student earning the BA must earn six semester hours in one foreign language at the 20000-level or above.

Students should complete FTDM major courses in this order:

**Step One:** Complete the following FTDM basic courses with a "C" or better and earning a GPA of 2.5 for the three combined. (These courses do not have to be taken in any specific order):

- FTDM 10113 History of Broadcasting
- FTDM 10123 History of Film
- FTDM 10143 Introduction to Film and Television Aesthetics

**Step Two:** Take two courses in each of three areas:

- Production: Any two production courses
- Industry: FTDM 20523 and any other FTDM industry course
- Analysis: FTDM 20583 and any other FTDM analysis course

**Step Three:** Complete any combination of three additional FTDM production, industry and/or analysis courses. *Note:* FTDM open electives may not be used to fulfill FTDM major or minor requirements.

**Step Four:** Complete 40901 Senior Seminar (1 semester hour) in the last semester of the senior year.

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

- Overall TCU GPA of 2.5;
- Minimum GPA of 2.5 for all courses taken within the Department of Film, Television, and Digital Media; and
- "C" or better in all courses taken in the Department of Film, Television, and Digital Media.

Students whose overall or departmental GPA falls below 2.5 cannot enroll in sophomore, junior or senior-level FTDM courses. *The exceptions are FTDM open elective courses, which have no prerequisites and are open to all TCU students.*

The ultimate responsibility for knowing the prerequisites 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 FTDM department prior to registration. The department does not guarantee that all who wish to enroll in these classes will be accepted.

**Sports Broadcasting Emphasis**

The Department of Film, Television, and Digital Media 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 FTVD faculty adviser in choosing classes. For details, contact the FTDM department.

**Film, Television, and Digital Media Minor**

The minor in film, television, and digital media requires 18 hours, including FTDM 10113, 10123, 10143 and 20583. FTDM 10053 cannot be used to fulfill minor requirements. The six remaining hours must be upper level and selected from the list below. Students are responsible for meeting all prerequisites.

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

Minors in Film, Television, and Digital Media must achieve the following minimum academic requirements as a prerequisite to enroll in FTDM courses at the 20000-level and above:

- Minimum GPA of 2.5 for the three FTDM basic courses;
- Minimum cumulative GPA of 2.5 for all courses taken within the Department of Film, Television, and Digital Media;

- A "C" or better in all courses taken in the Department of Film, Television, and Digital Media.

*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 FTDM major or minor requirements.*

## Film, Television, and Digital Media Course Subcategories

### Production Courses

*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 FTDM majors only.*

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

### Industry Courses

*In industry courses, students study the business and legal context in which media products are produced and distributed. These courses are open to FTDM majors only.*

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

### Analysis Courses

*Media analysis/history courses use Media Analysis as a foundations course. These courses study a variety of film/television styles to analyze how media both reflect and influence culture. These courses are open to FTDM majors and minors.*

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

### Open Electives

*These are courses with no prerequisites that are open to all TCU students. Several of these fulfill core curriculum requirements. FTDM majors and minors may take them as general electives only; they do not fulfill FTDM major or minor requirements.*

FTDM 10013	TV Studies for Non-Majors
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FTDM 10053	Survey of Film
FTDM 10073	Media Adaptations
FTDM 10093	Media, Politics and Social Values
FTDM 20083	Television, Film and Religion
FTDM 30433	American Cinema
FTDM 30983	Women in Television and Film
FTDM 30453	Crime Films and Society
FTDM 40653	Popular Music and the Recording Industry
FTDM 30473	History of the Movies
FTDM 20083	Television, Film and Religion
FTDM 30453	Crime Films and Society
FTDM 30473	History of the Movies

## Film, Television & Digital Media Courses

### FTDM 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.

### FTDM 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. FTDM majors may not use this course to fulfill major requirements or Fine Arts UCR requirement.

### FTDM 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.

### FTDM 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.

### FTDM 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'.

### FTDM 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'. FTDM 10053 may not substitute for this course.

### FTDM 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 FTDM courses. Class combines lecture, discussion and viewing sessions. This course is designed for majors and minors; the minimum acceptable grade is a 'C'.

### FTDM 10433 - Freshman Seminar in Film, Television, and Digital Media

Topics may vary each time it is offered.

### FTDM 10533 - Freshman Seminar in Film, Television, and Digital Media

Topics may vary each time it is offered.

**FTDM 20083 - Television Film and Religion**

Lecture and viewing sessions. This course explores how television and film have used religious characters and themes to address political and social issues. Topics addressed might include subjects such as the Cold War and cultural diversity. Media theories such as agenda setting and cultivation are used to interpret selected television and film narratives.

**FTDM 20203 - Audio Production I**

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

**FTDM 20213 - Video I**

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

**FTDM 20243 - Lighting and Design**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in and a 2.5 average GPA in FTDM 10113, 10123, and 10143; FTDM majors only. Lecture and laboratory. Theory and practice of lighting and production design for film and video.

**FTDM 20510 - FM Station Operations**

Prerequisites: FTDM majors: at least a 2.5 overall TCU GPA; at least a "C" grade in FTDM 10143 and permission of the department. JOUR majors: permission of department. Open to FTDM 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.)

**FTDM 20523 - Business of Media**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in and a 2.5 average GPA in FTDM 10113, 10123, and 10143; FTDM 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.

**FTDM 20583 - Media Analysis**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in and a 2.5 average GPA in FTDM 10113, 10123, and 10143; FTDM 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.

**FTDM 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**FTDM 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.

**FTDM 30153 - Dramatic Style and Structure**

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

**FTDM 30203 - Audio Production II**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20203; FTDM 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.

**FTDM 30213 - Video II**

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

**FTDM 30223 - Cinematography**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20213; FTDM majors only. principles and practices of 16mm and SD and HD cinematography, involving camera technologies and film style lighting techniques. Individual exercises and group projects. The course culminates with an advanced 16mm film project.

**FTDM 30243 - Directing**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20213 or 20223; FTDM 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.

**FTDM 30353 - Acting for Television**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in and a 2.5 average GPA in FTDM 10113, 10123, and 10143; FTDM majors and minors only. Non-FTDM 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.

**FTDM 30363 - Analysis of Screen Performance**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM majors and minors only. Non-FTDM 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.

**FTDM 30393 - Theory and Practice of Digital Media**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20203 and either 20213 or 20223. FTDM 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.

**FTDM 30410 - Film Genres**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM 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)

**FTDM 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.

**FTDM 30453 - Crime Films and Society**

This course explores how crime and punishment have been depicted throughout film history, focusing on the relation between culture and the movies. Topics include audiences' continuing interest in crime films, the censorship battles which have been triggered by movies about crime, and the treatment of specific historical figures such as Al Capone and John Dillinger.

**FTDM 30473 - History in the Movies**

Films about historical events may inspire us to learn more about history; however, they may also present us with inaccurate information, and they are always subjective. This course examines how specific historical events and the lives of historical figures have been depicted in Hollywood films. The course will examine the typical structures and themes of these "based-on-a-true-story" movies and how changing cultural attitudes affect the depiction of specific events from the past.

**FTDM 30510 - Advanced FM Station Operations/Management**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20510 and permission of instructor. Open to FTDM 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 6 semester hours; 3 hours maximum per semester.)

**FTDM 30513 - Audience Research**

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

**FTDM 30523 - Media Marketing and Promotions**

Prerequisites: FTDM Majors: at least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 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 FTDM or JOUR credit.)

**FTDM 30573 - Broadcast and Cable Programming**

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

**FTDM 30593 - Television, Culture and Society**

Prerequisite: At least 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM 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.

**FTDM 30643 - British Cinema and European Culture**

Prerequisite: FTDM 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.

**FTDM 30663 - Film in a Global Society**

Prerequisites: FTDM 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.

**FTDM 30713 - Remote Sports Production**

Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade and 2.5 GPA in FTDM 10113, 10123, and 10143; FTDM 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.

**FTDM 30723 - Producing the Live Sports Event**

Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20203, 20213, and 30713; FTDM 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.

**FTDM 30733 - Audio Production for Sports: Television and Radio**

Prerequisites: At least 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20203. FTDM 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.

**FTDM 30860 - Internship in Film, Television, and Digital Media**

Prerequisites: FTDM 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 FTDM courses, must have completed 21 hours of FTDM

courses including FTDM 20523 with 'C' or higher grade, and at least one of the following courses (with a 'C' or higher) FTDM 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 FTDM ; it is an FTDM elective only. (1-6 semester hours, 3 hours maximum per semester.)

**FTDM 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.

**FTDM 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**FTDM 40003 - Senior Honors Research Paper**

Prerequisites: FTDM 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.

**FTDM 40113 - Sports Broadcasting**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade and a 2.5 average in FTDM 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.

**FTDM 40153 - Dramatic Writing**

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

**FTDM 40213 - Video III**

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

**FTDM 40223 - Entertainment Law and Finance**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20523; FTDM 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.

**FTDM 40333 - Post-Production**

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

**FTDM 40383 - Documentary Production**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20213 and 40333. FTDM 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.

**FTDM 40440 - Topics in Film**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM 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).

**FTDM 40503 - Media Industry Law and Regulation**

Prerequisite: Senior standing, at least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20523;



FTDM majors only. Structural and content regulation of the media industries. Court cases bearing on media industries. Introduction to legal research and writing.

**FTDM 40513 - Topics in Media Industry Studies**

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

**FTDM 40523 - Management for Broadcast, Cable, and Film**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20523; FTDM 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.

**FTDM 40570 - Topics in Television**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM 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)

**FTDM 40580 - Topics in Sports Media**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in and a 2.5 GPA in FTDM 10113, 10123, and 10143; FTDM 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)

**FTDM 40623 - Topics in National Cinemas**

Prerequisite: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20583; FTDM 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)

**FTDM 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.

**FTDM 40683 - Film Theory and Criticism**

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

**FTDM 40713 - Global Sports Media**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade and 2.5 GPA in FTDM 10113, 10123, and 10143; FTDM 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.

**FTDM 40773 - Media in Britain**

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

**FTDM 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 FTDM courses; and at least a "C" grade in FTDM 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.

**FTDM 40900 - Special Problems in Film, Television and Digital Media**

Prerequisite: Junior standing. At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade and a 2.5 average in FTDM 10113, 10123, and 10143. 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

**FTDM 40901 - Senior Seminar in Film, Television, and Digital Media**

Prerequisite: Students must be in last semester of senior year. A review and synthesis of material covered in the FTDM major. This course is required for FTDM majors; the minimum acceptable grade is a "C." (1 semester hour.)

**FTDM 45113 - Producing**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; at least a "C" grade in and a 2.5 average GPA in FTDM 10113, 10123, and 10143; and at least a "C" grade in FTDM 20523; FTDM 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.

**FTDM 50400 - Advanced Studies in Radio, Television, and Film**

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

**FTDM 50403 - New Technologies**

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

**FTDM 50443 - Studies in International Broadcasting**

Prerequisites: At least a 2.5 overall TCU GPA; at least a 2.5 in all FTDM courses; and at least a "C" grade in FTDM 20523; FTDM 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.

**FTDM 50970 - Special Problems in Film, Television and Digital Media**

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)

**Media Arts Courses**

**MEDA 50113 - Producing for Film and Video**

Seminar assesses the role of the producer in the film and video industry. All phases of production will be examined, including budgeting, financing, rights acquisition, and managing the production.

**MEDA 50553 - The Full-Length Screenplay**

Opportunity to develop, write, and revise a full-length original script. Includes theoretical models of scriptwriting, development of rough scenarios, beat outlines, first drafts, and revisions.

**MEDA 50613 - Directing**

This course explores video and film directing on an advanced level. Combines the examination of techniques used by feature film directors. All phases of the directing process are examined from selecting a script, rehearsal, principal photography, and post-production.

# College of Education

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

Consistent with the above values, the college's core beliefs incorporate a connection between 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 acquiring 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 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.

## Education Institutes, Centers and Laboratory Schools

### Center for Urban Education

The Center for Urban Education works to improve the quality of education for students in urban schools. Current initiatives include:

- Workshops and camps for school-age children that target English language learners in urban environments who are in the process of being mainstreamed into elementary and middle school programs and need help in acquiring academic language;
- Aspiring Teacher's Program, which recruits high school students from underrepresented groups into the teaching profession; and
- Assistant Principal Academy, a mentoring program for assistant principals.

### Andrews Institute of Mathematics & Science Education

The Andrews Institute of Mathematics & Science Education is a collaborative effort between the College of Education and the College of Science & Engineering. Their mission is to:

- Provide an environment for innovation and change in the preparation and education of individuals in mathematics and science education and to further conduct research in these areas; and
- Involve the Fort Worth community through three major programs: Teacher Education Emphasizing Math and Science at TCU (TEEMS at TCU), Teacher Collaboration for Updating Science, Technology and Math Proficiency (TCU – STAMP), and Pupils Reviving Interest in Science and Math (PRISM).

### Alice S. Neeley Special Education Institute

The Alice S. Neeley Special Education Institute provides an environment for innovation and change in special education through exemplary teaching, research and community outreach. The Institute fosters collaboration among TCU faculty and others nationally to ensure the highest standard of education and services to children with disabilities and their families. The mission is to serve the needs of children and youth with disabilities and their families in three ways:

- Provide optimal learning environments for TCU students to become effective and ethical leaders in special education;

- Engage students and faculty in research to identify and implement best practices in special education that meet the individualized needs of preschool through school-age children with disabilities; and
- Allow participation in community outreach to enhance the inclusion of children and youth with disabilities and their families in community-based activities.

### Starpoint and KinderFrogs Schools

The mission of the laboratory schools is to educate students and serve as sites for teacher preparation, practicum experiences, and educational research. Starpoint and KinderFrogs provide a variety of volunteer opportunities for TCU students. Both laboratory schools are members of the National Association of Laboratory Schools.

Starpoint provides a high-quality educational program for students with learning differences, ages 6-12 years. It is accredited by the Southern Association of Colleges and Schools.

KinderFrogs provides developmentally appropriate education for preschool children with Down syndrome and other developmental delays. It is licensed by the Texas Department of Family Services and accredited by the National Association for the Education of Young Children (NAEYC).

## College of Education Degrees

The College of Education offers the Bachelor of Science (BS) in Education degree with majors in:

Early Childhood Education (Grades EC-6)

Generalist EC-6 with ESL Option

Generalist EC-6 with Special Education Option

Bilingual Generalist EC-6 Option

Middle School Education (Grades 4-8)

Middle School English/Language Arts, Reading and ESL

Middle School Math

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

Courses are also offered for those students wishing to prepare for teaching English as a Second Language (ESL). See English as a Second Language Supplemental Certificate.

### Program Changes

Programs listed in this catalog reflect current State Board of Educator Certification (SBEC) and Texas Education Agency (TEA) standards. Minor changes may be made in these programs to meet additional certification standards adopted by SBEC/TEA.

### Honors Program

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

## Education Major or Minor Declaration

To declare a major or minor in the College of Education, students must meet the following requirements:

- TCU students must have a 2.5 or better GPA.
- Transfer students must bring a 2.5 or better GPA to TCU to declare an education major and have a 2.5 or better GPA on 12 hours of coursework at TCU before applying for admission to the College of Education.

- Entering freshmen have no specific requirements to declare an education major, but must have a 2.5 or better GPA to apply for admission to the College of Education.
- All education majors and minors must maintain high professional standards and acceptable academic performance (a minimum 2.5 GPA overall and a grade of “C” or better in all content areas and education coursework).

**Pass/No-Credit Policy**

The University Pass/No-Credit (P/NC) Policy states that students may take up to two courses (eight hours maximum) on a P/NC basis. No course applied to the student's major, minor or associated requirements may be taken on the P/NC basis. Courses offered with only the P/NC option will not be counted toward this limit on the number of P/NC hours. *Students in the College of Education may not take any education course required for teacher certification or in the student's teaching content area on the P/NC basis, with the exceptions of student teaching and the professional practice seminar.*

**Teacher Education Program Admission**

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 in the College of Education. To be eligible for admission, students must meet, or will meet during the semester in which they apply, the minimum criteria. However, meeting only the minimum criteria does not ensure admission to the Teacher Education Program. According to the criteria, students must:

- Complete a minimum of 54 semester hours of coursework.
- Attain a minimum overall GPA of 2.5 on a minimum of 12 semester hours of coursework at TCU.
- Complete a course in each of the following areas of study: speech communication (OC) and EDUC 20003 (Critical Inquiry) with a grade of “C” or better.
- Complete 12 hours of content area coursework.
- Achieve a grade of “C” or better in all content areas\* and education courses taken prior to admission.
- Have a current (within one year) and clear criminal record check.
- Attain required scores on *one* of the following tests: THEA (TASP), ACT or SAT. These scores must not be older than five years.

THEA	SAT	ACT
Reading – 260	Critical Reading – 500	Reading – 19
Math – 230	Math – 500	Math – 19
Writing – 220	Writing – 500	
	Composite – 1570	Composite – 23

\*Content area for middle/secondary/all-level education majors/minors includes all coursework related to the content area. Content area for EC-6 majors includes history, government, math, English, lab sciences, geography, fine arts and speech.

Students applying for admission to the Teacher Education Program should do so by March 1 for fall admission and October 1 for spring admission. Late applications will be considered on a space- available basis. 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) and available space in the program.

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

Prior to admission to the College of Education, students may take EDUC 20003, 30113, 30143 and EDEC 30103. Students are not allowed to register for any other education courses until admitted to the College of Education.

**Texas Higher Education Assessment (THEA)**

Students who do not have the required scores on the ACT or SAT must take 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 College of Education.

**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

misdeemeanor for a crime that directly relates to the duties and responsibilities of the teaching profession. At the request of the State Board of Educator Certification ([www.sbec.state.tx.us](http://www.sbec.state.tx.us)), the College of Education has established procedures for annual criminal background checks for all education majors and minors. The College of Education requires a criminal background check prior to admission, field experiences and student teaching.

**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. Students can become members of the TCU chapter of the Texas Student Education Association (TSTA-NEA), which covers liability insurance, costs of defending claims and provides the cost of an attorney. Other teacher organizations in the state, such as ATPE, UEA and AFT, offer similar coverage.

**Teacher Education Program Retention**

Students must maintain acceptable academic performance (a minimum 2.5 GPA overall and a grade of “C” or better in content area and education courses), as well as high professional standards, in order to advance in the program and to student teaching. The College 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 discuss the student's understanding of the concerns, generate potential solutions and agree upon a course of action. The APPW contract is 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 Office of Campus Life.
4. Any student receiving three notices through this process may be considered for dismissal from the College of Education. Except in an unusually severe or critical situation, no one notice will result in dismissal from the college or program. These notices do not become part of a student's permanent academic record.

**Student Teaching Admission**

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

- Completion of all content area and education coursework with a minimum GPA of 2.5 and no grade lower than a “C”;
- A minimum overall TCU GPA of 2.5; and
- Successful completion of Senior Seminar EDEC/EDMS/EDSE 30001: Professional Practice Seminar.

Applications for student teaching are due by May 1 for fall student teaching and October 1 for spring student teaching. The Admissions Committee will consider minimum criteria, as well as student performance (professional attitude, demeanor, abilities and preparation). Any exception to these student teaching standards must be approved by the program faculty and the College of Education dean and/or designee.

**Education 4/1 Option**

Available only to TCU undergraduates, the 4/1 option allows outstanding students to combine a bachelor's degree with the Master of Education (M.Ed.) in only five years. Only candidates demonstrating superior undergraduate academic and professional performance with strong recommendations are considered for admission to the 4/1 program.

Students are eligible to apply for admission to the graduate program in the College of Education during the semester they complete 90 hours of undergraduate coursework. To be considered for admission to the 4/1 option students must:

- Submit a Graduate Program Application for admission;
- Fulfill admission requirements;
- Be admitted into the Teacher Education Program; and
- Complete additional hours for certification if fulfilling a minor in education.

If admitted to the 4/1 option, students may complete up to 12 semester hours of the M.Ed. program during their fourth year of undergraduate study. Students should work with their 4/1 adviser 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, students earn the baccalaureate degree. During their fifth year, students complete the remaining semester hours toward the M.Ed. degree.

### International Student Teaching Opportunities

Students in the College of Education can participate in the many Study Abroad programs at TCU as well as experience student teaching in Canada, Denmark, England, Finland, Hungary, Norway, Sweden, Switzerland, and The Netherlands.

### Certification

To obtain Texas teacher certification at TCU, students must complete the Teacher Education Program in the College of Education and achieve a bachelor's degree. Students must also successfully complete the appropriate state certification exams for the content area and grade level they wish to teach.

After graduation the student will be recommended to the state of Texas for teacher certification by TCU upon completion of the following requirements:

- Conferred bachelor's degree;
- Successful completion of the Teacher Education Program, including the student teaching experience;
- Passing scores on the required state certification exams; and
- Final GPA of 2.5 with "C" or better in education and content area coursework.

### 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-6, 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 coursework prior to receiving permission to test.

To be eligible to take the TExES certification exam, students must pass the practice representative exams, which are offered during the Professional Practice Seminar. Students who do not pass the practice exams must present evidence of test preparation before the exam will be re-administered. A student who receives no credit in the Professional Practice Seminar is not considered a program completer and will not be released to take the TExES.

### 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 College of Education Web site.

### Languages Other Than English (LOTE)

All individuals seeking Texas teaching certification with a major in Spanish or French must take the Languages other than English (LOTE) state exam along with the EC-12PPR.

### Education Major Transfer Work Credit

After enrolling at TCU:

- All education majors must receive prior written approval from their academic adviser and the associate dean before taking courses at another institution. Coursework taken without prior written approval may not be applied to a degree.
- No more than 12 total 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.
- Transcripts of coursework taken elsewhere must reach the Office of the Registrar within 30 days of completion of the coursework.

### College 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. More than 95 school districts conduct interviews on campus each year.

### Education Student Organizations

The College 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). 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.

## Education Majors, Minors and Certifications

### Early Childhood Education Major

The early childhood major is designed for students who plan to teach in early childhood settings (EC through grade 6). Students focus on developmentally appropriate pedagogy for children. Field-based coursework provides prospective teachers with significant experiences in urban schools. Students interested in this major may select one of the following options:

*Generalist EC-6 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-6 Teaching Certificate with English as a Second Language qualifications.

*Generalist EC-6 with Special Education Option:* This option is designed for students who will teach in special education settings at the EC-6 level. Students must pass the Generalist EC-6 Content Exam and the Special Education Supplemental Exam.

*Generalist EC-6 with Bilingual 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 College of Education. The Department of Spanish and Hispanic Studies conducts the Spanish Language Assessment. Students must pass required state examinations, including the Bilingual Target Language Proficiency Test (BTLPT).

### Generalist EC-6 with ESL Option

*TCU Core Curriculum: 39 hours*

*Major: 67 hours*

EDUC 30143	Child and Adolescent Development
EDEC 30103	Introduction to Early Childhood Education
EDEC 30073	Critical Literacy and Children's Literature

### Junior I Fall Block

EDSP 30603	Study of Exceptional Students
EDEC 30013	Creative Thinking and Problem Solving: Science
EDEC 30023	Creative Thinking and Problem Solving: Math I
EDEC 30033	Creative Thinking and Problem Solving: Play and Creativity
EDEC 30213	Creative Thinking and Problem Solving: Writing

### Junior II Spring Block

EDEC 30123	Educational Psychology
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- EDEC 30203 Education in Elementary Curriculum: Math II
- EDEC 31233 Education in Elementary Curriculum: Social Studies
- EDEC 30223 Education in Elementary Curriculum: Reading
- EDEC 30233 Education in Elementary Curriculum: English as a Second Language

**Senior I Fall Block**

- EDEC 30001 Professional Practice Seminar
- EDEC 41103 Learner-Centered Teaching: Assessment
- EDEC 41113 Learner-Centered Teaching: Foundations
- EDEC 41123 Learner-Centered Teaching: Families
- EDEC 41143 Learner-Centered Teaching: Management
- EDEC 41153 Learner-Centered Teaching: Practicum

**Senior II Spring Block**

- EDEC 42216 Professional Induction: Curriculum for Diverse Learners - ESL
- EDEC 42236 Professional Induction: Internship

*Associated Requirements: 15 hours*

- EDUC 20003 Critical Investigation: Teaching and Learning
- EDUC 30113 Introduction to Educational Technology
- GEOG 10003 World Regional Geography
- MATH 20043 Mathematics for Elementary Teachers
- EDEC 20013 Science for Elementary Teachers

*Electives: 3 hours*

*Total Semester Hours: 124 hours*

**Generalist EC-6 with Special Education Option**

*TCU Core Curriculum: 39 hours*

*Major: 67 hours*

- EDUC 30143 Child and Adolescent Development
- EDEC 30103 Introduction to Early Childhood Education
- EDEC 30073 Critical Literacy and Children's Literature

**Junior I Fall Block**

- EDSP 30603 Study of Exceptional Students
- EDEC 30013 Creative Thinking and Problem Solving: Science
- EDEC 30023 Creative Thinking and Problem Solving: Math I
- EDEC 30033 Creative Thinking and Problem Solving: Play and Creativity
- EDEC 30213 Creative Thinking and Problem Solving: Writing

**Junior II Spring Block**

- EDUC 30123 Educational Psychology
- EDEC 30203 Education in Elementary Curriculum: Math II
- EDEC 30223 Education in Elementary Curriculum: Reading
- EDEC 31233 Education in Elementary Curriculum: Social Studies
- EDSP 30243 Education in Elementary Curriculum: Special Education

**Senior I Fall Block**

- EDEC 30001 Professional Practice Seminar
- EDEC 41103 Learner-Centered Teaching: Assessment
- EDEC 41113 Learner-Centered Teaching: Foundations
- EDSP 41123 Learner-Centered Teaching: Families
- EDSP 41143 Learner-Centered Teaching: Management
- EDEC 41153 Learner-Centered Teaching: Practicum

**Senior II Spring Block**

- EDSP 42216 Professional Induction: Curriculum for Diverse Learners – Special Education
- EDEC 42236 Professional Induction: Internship

*Associated Requirements: 15 hours*

- EDUC 20003 Critical Investigation: Teaching and Learning
- EDUC 30113 Introduction to Educational Technology
- GEOG 10003 World Regional Geography
- MATH 20043 Mathematics for Elementary Teachers
- EDEC 20013 Science for Elementary Teachers

*Electives: 3 hours*

*Total Semester Hours: 124 hours*

**Generalist EC-6 with Bilingual Option**

*TCU Core Curriculum: 39 hours*

*Major: 67 hours*

- EDUC 30143 Child and Adolescent Development
- EDEC 30103 Introduction to Early Childhood Education
- EDEC 30073 Critical Literacy and Children's Literature

**Junior I Fall Block**

- EDSP 30603 Study of Exceptional Students
- EDEC 30013 Creative Thinking and Problem Solving: Science
- EDEC 30023 Creative Thinking and Problem Solving: Math I
- EDEC 30033 Creative Thinking and Problem Solving: Play and Creativity
- EDEC 30213 Creative Thinking and Problem Solving: Writing

**Junior II Spring Block**

- EDUC 30123 Educational Psychology
- EDEC 30203 Education in Elementary Curriculum: Math II
- EDEC 30223 Education in Elementary Curriculum: Reading
- EDEC 32133 Education in Elementary Curriculum: Social Studies
- EDEC 30233 Education in Elementary Curriculum: English as a Second Language (ESL)

**Senior I Fall Block**

- EDEC 30001 Professional Practice Seminar
- EDEC 41103 Learner-Centered Teaching: Assessment
- EDEC 41113 Learner-Centered Teaching: Foundations
- EDEC 41123 Learner-Centered Teaching: Families
- EDEC 41143 Learner-Centered Teaching: Management
- EDEC 41153 Learner-Centered Teaching: Practicum

**Senior II Spring Block**

- EDEC 42216 Professional Induction: Curriculum for Diverse Learners - ESL
- EDEC 42236 Professional Induction: Internship

*Associated Requirements: 18 hours*

- EDUC 20003 Critical Investigation: Teaching and Learning
- EDUC 30113 Introduction to Educational Technology
- GEOG 10003 World Regional Geography
- EDUC 50213 Teaching in Bilingual/Crosscultural Schools
- MATH 20043 Mathematics for Elementary Teachers
- EDEC 20013 Science for Elementary Teachers

*Total Semester Hours: 124 hours*

**Middle School Education Major**

Middle school education (grades 4 to 8) is designed for students who want to teach in a specific content area (mathematics, science, social studies or language arts) in elementary and middle school settings.

*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 in the Secondary School

\*This seminar must be taken the semester prior to student teaching.

*Associated Requirements: 12 hours*

- EDUC 20003 Critical Investigation: Teaching and Learning
- EDUC 30113 Introduction to Educational Technology
- EDMS 40213 Promoting Literacy in the Content Areas
- EDSP 50663 Motivating and Managing Students in the Classroom

**English/Language Arts, Reading and ESL**

Select one course from :

- ENGL 10103 Introduction to Fiction
- ENGL 10113 Introduction to Poetry
- ENGL 10123 Introduction to Drama
- ENGL 30723 The Short Story

Select two courses from:

- ENGL 20503 Major American Writers
- ENGL 30133 American Literature to 1900
- ENGL 30143 American Literature since 1900
- ENGL 20603 Western World Literature I

Select two courses 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 EDUC 50263	Cyberliteracy <i>or</i> Cybercommunication in Education
ENGL 30253 ENGL 30243	Rhetorical Traditions <i>or</i> Rhetorical Practices in Culture
ENGL 50243 EDMS 50173	Teaching Writing <i>or</i> Development of Written Communication
JOUR 10103 ENGL 30263 EDMS 50613 EDMS 50153 EDMS 50223 EDUC 50503	Communication in Society Style and Usage Analysis of Literacy Problems Literature for Adolescents Practicum in Reading and ESL 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

**Math**

MATH 10033	Topics in Mathematics
MATH 10043	Elementary Statistics
MATH 10054	Precalculus with Trig
MATH 20123	Discrete Mathematics I
MATH 10524	Calculus I
MATH 20053	Math for Middle School I
MATH 20063	Math for Middle School II
MATH 20524	Calculus II
MATH 40403	Higher Geometry
MATH 50073	History of Mathematics

PHYS 10154	General Physics (with lab) <i>or</i>
PHYS 20053	Physics of Music and Sound

*Associated Requirement*

EDMS 40433	Senior Seminar in Middle/Secondary Education: Mathematics
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**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 10154	General Physics I
CHEM 10113	General Chemistry
GEOL 10113	Understanding the Earth
ENSC 10143	Contemporary Environmental Issues
ENSC 30113	Weather and Climate

MATH 10054	Precalculus with Trig <i>or</i>
MATH 10524	Calculus I

*Associated Requirement*

EDMS 40533	Senior Seminar in Middle/Secondary School Education: Science
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**Social Studies**

HIST 10603	U.S. History: A Survey to 1877
HIST 10613	U.S. History: A Survey since 1877
HIST 10203	Europe to 1348
HIST 10213	Europe 1348 to 1789
HIST 10223	Europe 1789 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 <i>or</i>
POSC 20144	Practicing American and Texas Politics
POSC 30503	Topics in Comparative Politics
ECON 10223	Introductory Microeconomics
ECON 10233	Introductory Macroeconomics
ECON 40413	U.S. Economic History to 1866 <i>or</i>
ECON 40423	U.S. Economic History since 1866
GEOG 10003	World Regional Geography

GEOG 30513	U.S. Geography
SOCI 20213	Introductory Sociology
SOCI 30343	American Minority Groups <i>or</i>
EDUC 50003	Diversity in American Education

*Associated Requirement*

EDMS 40633	Senior Seminar in Middle/Secondary Education: Social Studies
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**Secondary Education Major**

Secondary education (grades 8 to 12) is designed for students who want to teach in a specific content area (science, social studies or language arts) in a high school setting.

*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 in the Secondary School

\*This seminar must be taken the semester prior to student teaching.

*Associated Requirements: 12 hours*

EDUC 20003	Critical Investigation: Teaching and Learning
EDUC 30113	Introduction to Educational Technology
EDSE 40213	Promoting Literacy in the Content Areas
EDSP 50663	Motivating and Managing Students in the Classroom

**English/Language Arts, Reading and ESL**

Select one course from:

ENGL 10103	Introduction to Fiction
ENGL 10113	Introduction to Poetry
ENGL 10123	Introduction to Drama
ENGL 30723	The Short Story

Select two courses from:

ENGL 20503	Major American Writers
ENGL 30133	American Literature to 1900
ENGL 30143	American Literature since 1900
ENGL 20603	Western World Literature I

Select two courses from:

ENGL 20403	Major British Writers
ENGL 30113	British Literature to 1800
ENGL 30123	British Literature since 1800
ENGL 20613	Western World Literature II

Select two courses 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
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ENGL 30283 EDUC 50263	Cyberliteracy <i>or</i> Cybercommunication in Education
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ENGL 30253 ENGL 30243	Rhetorical Traditions <i>or</i> Rhetorical Practices in Culture
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ENGL 50243 EDSE 50173	Teaching Writing <i>or</i> Development of Written Communication
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JOUR 10103 ENGL 30263 EDMS 50613 EDMS 50153 EDMS 50223 EDUC 50503	Communication in Society Style and Usage Analysis of Literacy Problems Literature for Adolescents Practicum in Reading and ESL Developing Communication Competencies of Linguistically and Culturally Diverse Students
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EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom  
 EDUC 50003 Diversity in American Education

**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 20233 Basic Microbiology  
 BIOL 30504 Plant Biology  
 BIOL 30613 Natural History

Select two courses from:

BIOL 30124 Biology of the Vertebrates  
 BIOL 30404 Comparative Vertebrate Anatomy  
 BIOL 30323 Marine Science  
 BIOL 30233 Economic Botany

MATH 10524 Calculus I or  
 MATH 20524 Calculus II

CHEM 10113-10125 General Chemistry or  
 CHEM 10114-10124 General Chemistry Honors

*Associated Requirement*

EDSE 40533 Senior Seminar in Middle/Secondary Education: Science

**Physical Science**

GEOL 10113 Understanding the Earth  
 ENSC 10143 Contemporary Environmental Issues  
 GEOL 30133 Historical Geology I

CHEM 10113-10125 General Chemistry or  
 CHEM 10114-10124 General Chemistry Honors  
 PHYS 10154, 10164 General Physics I and II or  
 PHYS 20474, 20484 Physics I and II  
 PHYS 20053 Physics of Music and Sound  
 PHYS 20073-20083 Introductory Astronomy  
 PHYS 30113 Intermediate Astronomy  
 PHYS 30014 Materials Science  
 PHYS 30111 Experimental Astronomy

MATH 10524 Calculus I or  
 MATH 20524 Calculus II

*Associated Requirement*

EDSE 40533 Senior Seminar in Middle/Secondary School Education: Science

**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 10154 General Physics I  
 PHYS 10164 General Physics II

PHYS 20073-20083 Introductory Astronomy  
 CHEM 10113-10125 General Chemistry or  
 CHEM 10114-10124 General Chemistry Honors  
 CHEM 30122-30123 Organic Chemistry

GEOL 10113 Understanding the Earth  
 ENSC 10143 Contemporary Environmental Issues  
 ENSC 30113 Weather and Climate

MATH 10524 Calculus I or  
 MATH 20524 Calculus II

*Associated Requirement*

EDSE 40533 Senior Seminar in Middle/Secondary School Education: Science

**Social Studies**

HIST 10603 U.S. History: A Survey to 1877  
 HIST 10613 U.S. History: A Survey since 1877  
 HIST 10203 Europe to 1348

HIST 10213 Europe 1348 to 1789  
 HIST 10223 Europe 1789 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 or  
 POSC 20144 Practicing American and Texas Government  
 POSC 20203 Introduction to Political Theory  
 POSC 30103 Topics in American Politics  
 ECON 10223 Introductory Microeconomics  
 ECON 10233 Introductory Macroeconomics  
 ECON 40413 U.S. Economic History to 1866 or  
 ECON 40423 U.S. Economic History since 1866  
 GEOG 10003 World Regional Geography  
 GEOG 30513 U.S. 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 Middle/Secondary Education: Social Studies

**Educational Studies Minor**

Students who major in a content area outside the College of Education may obtain a minor in educational studies (see College of Education admission requirements on page 75). Completion of the educational studies minor does not meet the requirements for teacher certification.

The professional development courses that constitute the 18-hour minor include:

EDUC 30123 Educational Psychology  
 EDUC 30143 Child and Adolescent Development  
 EDSE 30013 Professional Roles and Responsibilities  
 EDSE 40213 Promoting Literacy in the Content Areas  
 EDSE 50023 Effective Teaching and Classroom Implementation  
 EDSP 30603 Study of Exceptional Students

Additional teacher certification requirements include:

*Middle or Secondary College of Education Pedagogy and Professional Responsibilities Requirements (7 hours):*

EDSE 30001 Professional Practice Seminar (must be completed the semester prior to student teaching)  
 EDMS/ SE 40980 Student Teaching in the Secondary School

*Middle or Secondary College of Education Associated Requirements (9 hours):*

EDUC 20003 Critical Investigation: Teaching and Learning  
 EDUC 30113 Introduction to Educational Technology  
 EDSP 50663 Motivating and Managing Students in the Classroom

Additional coursework in the content area\* and in the Middle or Secondary School Pedagogy (science, English/language arts or math).

See adviser and certification officer in the College of Education.

\*Content areas include business administration, computer science, dance, French, history, journalism, mathematics, Spanish and communication.

**All Level Teacher Certification**

All-level certification enables students to teach in grades EC-12. Majors include art, music, theatre, deaf and hard of hearing, and physical education. 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 complete student teaching in the elementary and secondary schools. Students should contact the certification officer in the College of Education to be admitted to the Teacher Education Program.

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  
 EDMS/SE 30013 Professional Roles and Responsibilities  
 EDSP 50663 Motivating and Managing Students in the Classroom  
 EDMS/SE 50023 Effective Teaching and Classroom Implementation

EDMS/SE Professional Practice Seminar\*  
30001  
EDUC 40966 All-Level Student Teaching

\*This seminar must be taken the semester prior to student teaching.

**English as a Second Language Supplemental Certificate**

English as Second Language (ESL) is designed for students who intend to teach learners for whom English is a second or other 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 \*\*  
Practicum in Reading and ESL \*\*  
EDMS/ SE 50223  
EDUC 50513 Curriculum and Instruction in the Second Language Learning Classroom  
EDUC 50003 Diversity in American Education

In addition to the above coursework, students are required to successfully 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.

\*\* Concurrent enrollment

**Education - Early Childhood Courses**

**EDEC 20013 - Science for Elementary Teachers**

This course is designed to build the content knowledge and skills needed by Pre-Kindergarten through sixth grade teachers. The science content emphasized in this course aligns with the National Science Teachers Association standards as well as the content mandated by the State of Texas. The course will model inquiry teaching, engage students in constructivist science inquiry, and provide students with the materials needed to successfully teach science. It will build student understanding of science concepts through active learning experiences. This course is required for acceptance into the EC-6 program in the college of Education. Texas teacher certification has changed from EC-4 to EC-6, requiring that teachers have additional content knowledge. In response to national reform documents, the content will be delivered using inquiry-based methodology.

**EDEC 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**EDEC 30001 - Professional Practice Seminar**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/Fail grades. (Offered as EDEC or EDMS or EDSE credit.)

**EDEC 30013 - Creative Thinking and Problem Solving: Science**

Prerequisites: Admission to the Teacher Education Program or written permission of the dean, College of Education. Concurrent enrollment in Junior 1 courses. This course builds on EDEC 20013, Science for Elementary Teachers. It will use the Texas Essential Knowledge and Skills (TEKS) as a framework to help students examine content methodology, skills, and materials used to teach science to children in elementary classrooms. Students will engage in hands-on investigations, class discussions, readings and field placements with emphasis on developmentally appropriate practices in science instruction. Procedures for planning, implementing, and reflecting on science instruction are learned in a school setting. Topics from life, earth/space and physical science will be covered.

**EDEC 30023 - Creative Thinking and Problem Solving: Math I**

Prerequisites: Admission to the Teacher Education Program or written permission of the dean, College of Education. Concurrent enrollment in Junior 1 courses. Using the guidelines set forth by the National Council of Teachers of Mathematics and the State of Texas for mathematics instruction, the students will develop pedagogical content knowledge in

the basic concepts and skills of math. Topics will include the development of the real number system, whole number computations, rational number computations, number theory, and problem solving.

**EDEC 30033 - Creative Thinking and Problem Solving: Play and Creativity**

Prerequisites: Admission to the Teacher Education Program or written permission of the dean, College of Education. Concurrent enrollment in Junior 1 courses. This course is designed to prepare students for the challenges of teaching in child-centered environments that support creative development and scientific and mathematical learning through play. The course framework provides a theoretical and research base for supporting creative thinking and play-based learning. Students learn strategies for enhancing creative development, inquiry and expression in the areas of art, music, dance and drama, and apply them in elementary school settings. Additionally, students learn how to plan and manage a classroom environment that fosters self-directed learning and opportunities for play.

**EDEC 30073 - Critical Literacy and Children's Literature**

Prerequisites: Student should be seeking EC-6 teacher certification. This course offers an introduction to the analytical study of children's literature with a focus on children's books that grapple with difficult social issues. We will explore books that go beyond "happily ever after," learning how authors deal with topics such as 9/11, homelessness, gangs, divorce, race, war, and the Holocaust. We will study novels, picture books, and film. While studying these texts, we will also discuss ways to integrate children's literature throughout the EC-6 curriculum--including a focus on content area reading strategies.

**EDEC 30103 - Introduction to Early Childhood Education**

Prerequisite for all EC-6 coursework. 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 - Education in Elementary Curriculum: Math II**

Prerequisites: Admission to Teacher Education or written permission of the Dean, College of Education. Concurrent enrollment in Junior II courses. Using the guidelines set forth by the National Council of Teachers of Mathematics and the State of Texas for mathematics instruction, the students will develop pedagogical content knowledge in the basic concepts and skills of mathematics. Topics will include measurement, geometry, and probability and statistics.

**EDEC 30213 - Creative Thinking and Problem Solving: Writing**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in Junior I courses. This course examines principles of literacy learning in young children through grade six. The course introduces theories, practices and materials for teaching writing in the elementary through middle level grades (EC-6)

**EDEC 30223 - Education in Elementary Curriculum: Reading**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in Junior II courses. 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 students as they progress through the continuum of literacy abilities in phonics, decoding, vocabulary and comprehension in early childhood through grade 6. Introduces recent research, philosophies of instruction, curriculum development, literature, and assessments that can be used to improve students' reading and language abilities.

**EDEC 30233 - Education in Elementary Curriculum: English as a Second Language (ESL)**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in Junior II courses. Principles and practices of first and second language acquisition in early childhood settings. Emphasis 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 competencies are addressed. Assessment procedures appropriate to English language learners (ELL) are introduced.

**EDEC 31233 - Education in Elementary Curriculum: Social Studies**

Prerequisite: Admission to Teacher Education or written permission of the Dean, College of Education. Concurrent enrollment in Junior II courses. Examines fundamental concepts and methods of inquiry



associated with social studies for democratic citizenship. The course explores ways (1) to integrate the official curriculum of history, culture, economics, geography and government, citizenship into the early childhood curriculum; and (2) to employ the hidden curriculum to enhance instead of undermine students' experiences of democratic citizenship. Emphasis is placed on instructional methods, lesson plans, curricular materials, and social studies inquiry. The course merges student and community interest within a democratic society with academic requirements.

#### **EDEC 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **EDEC 41103 - Learner-Centered Teaching: Assessment**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in Senior I courses. This course examines assessment and evaluation methods, strategies, and procedures within the classroom context. Both formal and informal methods of gathering educational information and monitoring children's progress will be integral parts of this course. Students learn how to develop appropriate assessments and interpret assessment information for educational program planning. Students also learn how to make modifications and accommodations for testing students who are English language learners and students with disabilities.

#### **EDEC 41113 - Learner-Centered Teaching: Foundations**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in Senior I courses. This course explores the foundations of educational thought, practice and policy through the works of influential philosophers. Through lectures, readings, study groups, discussion, and team and individual assignments students learn about perennialist, essentialist, pragmatic, critical pedagogy, and postmodern influences in education. Students also study ethics and legal issues as they apply to professional development of teachers, as well as integrating philosophical inquiry and ethical considerations into the curriculum for young children. This course meets core requirement for the citizenship and Social Values, and Writing Emphasis.

#### **EDEC 41123 - Learner-Centered Teaching: Families**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Provides a foundation for understanding basic concepts regarding family interaction and parent/child relationships. This includes examining student assumptions appropriate family forms, rules and communication. Also students will learn communication skills for building relationships with parents as well as strategies for forming and guiding parental involvement. Students will be exposed to varieties of family forms through didactic, interpersonal, and community/practical experiences.

#### **EDEC 41143 - Learner-Centered Teaching: Management**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, EDEC 41113 Learner-Centered Teaching: Families, EDEC 41123 Learner-Centered Teaching: Assessment, EDEC 41143 Learner-Centered Teaching: Management and EDEC 41153 Learner-Centered Teaching: Practicum.

#### **EDEC 41153 - Learner-Centered Teaching: Practicum**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in EDEC 41103, EDEC 41113, EDEC 41143 and 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, EDEC 41113 Learner-Centered Teaching: Families, EDEC

41123 Learner-Centered Teaching: Assessment, EDEC 41143 Learner-Centered Teaching: Management and EDEC 41153 Learner-Centered Teaching: Practicum.

#### **EDEC 42213 - Professional Induction: Curriculum for Diverse Learners**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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 42216 - Professional Induction: Curriculum for Diverse Learners: ESL**

Prerequisite: Admission to the Teacher Education Programs or written permission of the Dean, College of Education. Concurrent enrollment in EDEC 42236. Students enroll in this course during the semester they fulfill the State's requirements for student teaching and complete certification standards. The course begins with an intensive seminar prior to student teaching and continues with weekly class meetings throughout the semester. Course focuses on three components. Students develop curricula that meet the cultural, linguistic and developmental needs of all learners. Emphasis is placed on multicultural, anti-bias curriculum planning, evaluation and selection of materials. Students discuss and evaluate programs, strategies and techniques for teaching English language learners within the context of student teaching experiences. Professional induction opportunities focus on placement file development, preparation of the interview process, and ESL certification standards.

#### **EDEC 42223 - Professional Induction: ESL**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, College of Education. Concurrent enrollment in EDEC 42216, EDEC 42233 and 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 42216 Professional Induction: Early Childhood Curriculum and EDEC 42236 Professional Induction: Internship.

#### **EDEC 50143 - Early Childhood Curriculum**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. The study of basic principles underlying curriculum construction and instructional practices in early childhood and primary education.

### **Education - Elementary Courses**

#### **EDEL 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **EDEL 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian

University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### Education - Guidance Counselor Courses

#### EDGU 50223 - Helping Relationships

Examination and practice of specific skills and processes essential to the development of helping relationships. Emphasis is placed on the development of interpersonal skills and professional ethics necessary to counseling.

#### EDGU 50323 - Small Group Dynamics

Study of the group as an interactional system, including: group process, group roles, guidelines for group selection and guidance, techniques for facilitating interaction, strategies for building credibility in groups, and the impact of life styles on group needs.

### Education - Middle School Courses

#### EDMS 30001 - Professional Practice Seminar

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Issues in professional and legal responsibilities and certification standards. 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, College 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, College 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, College 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 Education: Science

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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/Secondary Education: Social Studies

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, College 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, College 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, College 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

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. 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, College 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 teach and TCU faculty.

#### EDMS 50613 - Analysis of Literacy Problems

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College 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.

### Education - Reading Courses

#### EDRE 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### EDRE 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### Education - Secondary Courses

#### EDSE 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### EDSE 30001 - Professional Practice Seminar

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Issues in professional and legal responsibilities and certification standards. 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, College 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**EDSE 40123 - Senior Seminar in Secondary Education**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College 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, College 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, College 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 Education: Science**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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/secondary Education: Social Studies**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, College 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, College 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, College 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of 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.

**EDSE 50223 - Practicum in Reading and ESL**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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: Admission to the Teacher Education Program or written permission of the Dean, College 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.

**Education - Special Courses****EDSP 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**EDSP 30243 - Education in Elementary Curriculum: Special Education**

Prerequisite: Admission to the Teacher Education Program or written permission of the dean, College of Education. Students enrolled in EC-6/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, College of Education. A survey of programs for school-aged students with mental, physical and emotional deviations.

**EDSP 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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, College of Education. Concurrent enrollment in EDEC 42216, 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 42216 Professional Induction: Early Childhood Curriculum, EDSP 42233 Professional Induction: Diverse Learners, EDEC 42236 Professional Induction: Internship 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, College 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, College of Education. Provides a foundation for understanding basic concepts regarding family interaction and parent/child relationships. This includes examining student assumptions

appropriate family forms, rules and communication. Also students will learn communication skills for building relationships with parents as well as strategies for forming and guiding parental involvement. Students will be exposed to varieties of family forms through didactic, interpersonal, and community/practical experiences.

**EDSP 41143 - Learner-Centered Teaching: Management**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, EDEC 41113 Learner-Centered Teaching: Families, EDEC 41123 Learner-Centered Teaching: Assessment, EDEC 41143 Learner-Centered Teaching: Management, EDEC 41153 Learner-Centered Teaching: Practicum.

**EDSP 42216 - Profession Induction: Curriculum for Diverse Learners: Special Education**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Concurrent enrollment in EDEC 42236. Students enroll in this course during the semester they fulfill the State's requirements for student teaching and complete certification standards. The course begins with an intensive seminar prior to student teaching and continues with weekly class meetings throughout the semester. Course focuses on three components. Students develop curricula that meet the needs of children with diverse academic and social/behavioral needs. Emphasis is placed on multicultural, anti-bias curriculum planning, differentiating curricula for diverse learners, and evaluation and selection of materials. Students discuss and evaluate programs, strategies and techniques for teaching children with disabilities and their peers within the context of student teaching experiences. Professional induction opportunities focus on placement file development, preparation of the interview process, and Special Education (EDSP) certification standards.

**EDSP 50013 - Methods for Educating Students in Inclusive Settings**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, College 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.

**Education - General Courses**

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses

appearing on a student's official transcript have been included in the student's grade point average.

**EDUC 30003 - Honors Tutorial**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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, College of Education. Psychological bases of the education process; theories of learning and motivation; individual differences; teaching strategies. Includes observations of children and adolescents in classroom 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**EDUC 40003 - Honors Research Paper**

Prerequisite: Admission to the Teacher Education Program or written permission of the Dean, College 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. Study of specialized topics in Education.

**EDUC 50003 - Diversity in American Education**

Prerequisite: Admission to College of Education or written permission of the Dean, College 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**

Prerequisite: Admission to Teacher Education Program or written permission of the Dean, College of Education. 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. 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**

Prerequisites: Admission to the College of Education or written permission of the Dean, School of Education. Selected theories of human behavioral, social, and emotional development.

**EDUC 50203 - Programs in Bilingual Education**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. The rationale for bilingual-bicultural education including a survey of current programs. Includes lab experiences in public school classes.

**EDUC 50213 - Teaching in Bilingual/Crosscultural Schools**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of 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, College 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, College 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. 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, College 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**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, School of Education. Study of specialized topics in Education.

**EDUC 50970 - Special Problems in Education**

Study of specialized topics in Education.

**Education - Curriculum Studies Courses**

**EDCS 50001 - Colloquium Curriculum Studies**

Prerequisites: Admission into Curriculum Studies graduate program or permission of instructor. Each semester, the colloquium will address a different contemporary problem significant to curriculum studies. Through readings, discussions, and presentations of scholarly activities; student will explore the semester's theme, further their knowledge of curriculum studies, and develop academic talents within a community of scholars. Non-EDCS students may join the colloquium with permission of instructor.

## College of Fine Arts

Since the founding of Texas Christian University more than a century ago, fine arts and related professional studies have been vital and integral parts of the University's educational program. Today, some 850 students concentrate their studies within the three departments and two schools that comprise the College of Fine Arts. Degree programs are available in art and art history; classical and contemporary dance; design, merchandising and textiles; music; and theatre. 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.

College of Fine Arts 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. The college also has 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. The college's Walsh Center for the Performing Arts opened in 1999. Importantly, College of Fine Arts programs enjoy close working relationships with the Kimbell Art Museum, The Fort Worth Symphony, Texas Ballet Theatre, and the other visual and performing institutions in the Dallas/Fort Worth Metroplex.

### College of Fine Arts Organization

The College of Fine Arts is organized into three departments and two schools, offering 26 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, Strings, Wind and Percussion Instruments
- Piano Pedagogy
- Theory and Composition
- Music Education
- Church Music

##### *School for Classical & Contemporary Dance*

- Ballet/Pointe and Modern Dance Techniques
- Choreography
- Repertoire/Variations
- Teaching Methods
- Dance History
- Partnering
- Aesthetics
- Kinesiology
- Dance Lighting

#### Departments

##### *Department of Art and Art History*

- Drawing, Design and Painting
- Photography
- Printmaking
- Sculpture
- Ceramics
- Graphic Design
- Art Education
- Art History

##### *Department of Design, Merchandising and Textiles*

- Interior Design
- Fashion Merchandising

##### *Department of Theatre*

- Acting
- Musical Theatre
- Directing
- Scenic Design
- Costume Design
- Lighting Design
- Make-up and Hair
- Stagecraft
- Costume Construction

### College of Fine Arts Degrees

The College of Fine Arts offers the following degrees:

- Bachelor of Fine Arts (BFA) with a major in graphic design, studio art or art education, classical or contemporary dance, and theatre.
- Bachelor of Arts (BA) with a major in art history, music or theatre. (The BA degree requires completion of sophomore-level foreign language.)
- Bachelor of Science (BS) with a major in interior design or fashion merchandising.
- Bachelor of Music (BM) with a major in performance, piano pedagogy, theory/composition or church music.
- Bachelor of Music Education (BME)

#### Multiple Majors

All students majoring in the College of Fine Arts 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.

#### Requirements for Graduation

Students must request a degree plan from the College of Fine Arts dean's office 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 Moudy 119 North) must be completed when a student has finished 96 hours of coursework or two semesters prior to graduation, whichever comes first.

Approval of the department chair 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 TCU Core Curriculum that applies to all University graduates.

#### Transfer Credit

Students wishing to take courses at another institution, following their admission to TCU 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' advisers, 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 Pass/No-Credit basis.

## College of Fine Arts Special Programs

The Performance Certificate and the Artist Diploma are available for instrumentalists and vocalists with exceptional performance ability. See the School of Music section on page 101 for details.

## Arts Administration Minor

The arts administration minor requires 18 total hours as follows:

### Business Knowledge (9 hours)

#### Required Courses

ACCT 20153	Principles of Accounting (or ACCT 20653)
MANA 30153	Organizational Management (or MANA 30653)
MARK 30153	Marketing Management (or MARK 30653)

Permits required from the M.J. Neeley School of Business to enroll in these business classes.

### Aesthetic Experience (3 hours)

Fine arts majors must choose this from outside their major department from:

ART 10043	Introduction to Art History
ART 20503	Survey Topics of Art History
BALT 10053	Survey of Dance
BALT 40173	Dance History
BALT 40183	20th-Century Dance
MUSI 10033	Survey of Jazz and Pop
MUSI 10053	Survey of Music
MUSI 10073	Rock to Bach
THEA 10053	Survey of Theatre
THEA 10203	Survey of Musical Theatre

### Administration Integration (6 hours)

#### Required Courses

AADM 30103	The Arts Organization
AADM 40103	Management in the Arts

Optional, but recommended:

AADM 40903	Internship in Arts Administration
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## College of Fine Arts Student Organizations

### Fraternities and Sororities

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)
Phi Upsilon Omicron (Merchandising, Interior Design and Nutrition Honor Society)

### Clubs

ASTA (American String Teachers Association)
Design Focus
MEO (Music Education Organization)
TCU Honor Society of Artists and Designers
TIDA (TCU Interior Design Association)

### Musical Organizations

Horned Frog Band (Marching)
Symphonic Band
Wind Ensemble
Chamber Winds
Jazz Ensemble
University Orchestra
Cello Ensemble
Harp Ensemble
Percussion Ensemble
Tuba/Euphonium Ensemble

Collegium Musicum
Choral Union
Concert Chorale
Men's and Women's Chorus

### Professional Organizations

American Advertising Federation
Texas Art Education Association (TAEA)
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)
American Textile Chemist and Colorist (AATCC)
International Textile and Apparel Association (ITAA)
American Association of Family and Consumer Sciences (AAFCS)
International Fashion Group
National Retail Federation (NRF)
American Collegiate Retail (ACRA)
International Association of Lighting Designers (IALD)
Interior Design Educator's Council (IDEC)
Illuminating Engineering Society of North America (IESNA)
International Interior Design Association (IIDA)
American Society of Interior Designers (ASID)
National Council for Interior Design Qualification (NCIDQ)
Network of Executive Women in Hospitality (NEWH)
International Dark Sky Association (IDA)

## Art and Art History

The Department of Art and Art History administers the Bachelor of Fine Arts (BFA) degree with a major in studio art, art education and graphic design, as well as the Bachelor of Arts (BA) degree with a major in art history.

The BFA degree is available in studio art with concentration in ceramics, painting, photography, printmaking or sculpture; graphic design; and art education. A minimum of 75 semester hours is required in graphic design; a minimum of 78 semester hours in art is required for studio majors; and art education majors must complete a minimum of 54 hours of art. The various degree plans are outlined below.

All art courses taken in the major or minor sequences must be passed with a grade of "C" or better to fulfill graduation requirements.

### 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 University 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/slides of their work for evaluation by the Department of Art at least one week prior to registration or at the 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 ceramics, 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 for up to six semester hours of credit to improve both GPA 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 Art Galleries at 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.

**Studio Art Major Requirements**

To earn the BFA in studio art, students must complete the requirements outlined below and choose a concentration in ceramics, painting, photography, printmaking or sculpture.

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour minimum)*

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 hours)*

- ART 10103 Drawing I
- ART 10113 Drawing II
- ART 10123 Design and Color
- ART 10133 3-D Design
- ART 20143 Painting
- ART 20163 Printmaking *or*
- ART 20173 Printmaking *or*
- ART 20183 Printmaking
- ART 20213 Ceramics
- ART 20243 Sculpture
- ART 20743 Photography
- ART 21103 Life Studies
- ART 30903 Seminar in Art Professions

*Art History (15 hours)*

- ART 10043 Introduction to Art History

In addition to 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 hours)*

*Senior Exhibition (3 hours)*

- ART 40993

*Art Elective (6 hours)*

*General Electives (if needed to equal 124 hours)*

**Suggested Courses for Freshman Year**

**Fall (15 hours)**

*TCU Core Curriculum (6 hours)*

- Written Communication (WCO)
- Natural Sciences (NCS)

*Art Courses (6 hours)*

- ART 10103
- ART 10123 *or*
- ART 10133

*Art History Course (3 hours)*

- ART 10043

**Spring (15 hours)**

*TCU Core Curriculum (6 hours)*

- Religious Traditions (RT)
- Natural Sciences (NCS)

*Art Courses (6 hours)*

- ART 10113
- ART 10123 *or*
- ART 10133

*Art History Course (3 hours)*

Any 20000-level art history class

**Graphic Design Major Requirements**

To earn the BFA with a major in graphic design, students must complete the requirements outlined below.

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 (18 hours)*

- ART 10103 Drawing I
- ART 10113 Drawing II
- ART 10123 Design and Color
- ART 10133 3-D Design
- ART 20743 Photography
- ART 30753 Photographic Illustration

*Art History (12 hours)*

- ART 10043 Introduction to Art History
- ART 30000- Level Art History Elective
- ART 30000 Level Art History Elective
- ART 20833 History of Visual Communication

*Graphic Design Concentration (45 hours)*

- ART 10143 Introduction to Visual Communication
- ART 20323 Typography I
- ART 20333 Typography II
- ART 20453 Introduction 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 and Marketing

*Upper-Division Graphic Design Elective (3 hours)*

*General Electives (if needed to equal 124 hours)*

**Suggested Courses for Freshman Year**

**Fall (15 hours)**

*TCU Core Curriculum (6 hours)*

- Written Communication (WCO)
- Natural Sciences (NCS)

*Art Courses (6 hours)*

- ART 10103
- ART 10123

*Art History Course (3 hours)*

- ART 10043

**Spring (15 hours)**

*TCU Core Curriculum (6 hours)*

- Religious Traditions (RT)
- Natural Sciences (NCS)

*Art Courses (9 hours)*

- ART 10113
- ART 10133
- ART 10143



**Art History Course (3 hours)**

ART 20803, if available, may replace one of the core classes this semester.

**Art Education Major Requirements**

To earn the BFA with a major in art education, students must complete the requirements outlined below.

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours)*

ART 10103	Drawing I
ART 10113	Drawing II
ART 10123	Design and Color
ART 10133	3-D Design
ART 20143	Painting
ART 20163	Printmaking or
ART 20173	Printmaking or
ART 20183	Printmaking
ART 20213	Ceramics
ART 20243	Sculpture
ART 20743	Photography

**Art Elective**

ART 20000 level or  
ART 30000-level or above

*Art Education Courses (12 hours)*

ART 10803	Basics in Art
ART 30013	Approaches to Studio Art
ART 30803	The Child and Visual Arts
ART 40803	Essentials of the Visual Arts

*Art History (12 hours)*

ART 10043 Introduction to Art History  
ART 20000-level  
ART 30000-level or above  
ART 30000-level or above (for a total of 6 hours at this level)

*Upper-level Art Electives (12 hours)*

**Education Requirements**

*Oral Communication (3 hours)*

Required for admission to the College of Education; choose from COMM 10123, 20103 and 20133

*ED Psych/Development (6 hours)*

EDUC 30123	Educational Psychology
EDUC 30143	Child and Adolescent Development

*Education Certification (13 hours)*

EDSE 30013	Professional Roles and Responsibilities
EDSP 30603	Study of the Exceptional Student
EDSP 50663	Motivating and Managing Students in the Classroom
EDSE 50023	Effective Teaching and Classroom Implementation
EDSE 30001	Professional Practice Seminar

*Student Teaching (6 hours)*

EDUC 40966 All-Level Student Teaching

**Suggested Courses for Freshman Year****Fall (15 hours)**

*TCU Core Curriculum (9 hours)*

Oral Communication (OCO)  
Historical Traditions (HT)  
Natural Sciences (NCS)

*Art Courses (6 hours)*

ART 10103  
ART 10123

*Art History Course (3 hours)*

ART 10043

**Spring (15 hours)**

*TCU Core Curriculum (9 hours)*

Religious Traditions (RT)  
Natural Sciences (NCS)

*Art Courses (6 hours)*

ART 10113  
ART 10133  
ART 10803

**Art History Major Requirements**

A major or a minor in art history may be taken on the BA 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.

*University Requirements*

*Undergraduate degree (124 hours minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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**

*Art History (27 hours)*

Majors are expected to enroll in a broad range of courses, including both pre-modern (pre-1800) and post-modern (post-1800)  
ART 10043 Introduction to Art History  
ART 20000-level  
ART 30000-level or above (minimum 12 hours required)

*Studio Courses (6 hours)*

Choose from:

ART 10103	Drawing I
ART 10113	Drawing II
ART 10123	Design and Color
ART 10133	3-D Design or

Any other approved art coursework

*Foreign Language*

Six hours or demonstrated proficiency at the second-semester, sophomore-level are required. See modern language major catalog listing on page 151 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 (if needed to equal 124 hours)*

**Suggested Courses for Freshman Year****Fall (15 hours)**

*TCU Core Curriculum (6 hours)*

Written Communication (WCO)  
Historical Traditions (HT)

*Foreign Language (3 hours)*

*Art History Course (3 hours)*

ART 10043

*Art Course (3)*

ART 10103 (Drawing)

**Spring (15 hours)**

*TCU Core Curriculum (6 hours)*

Religious Traditions (RT)  
Natural Sciences (NCS)

*Foreign Language (3 hours)*

*Art History Course (3 hours)*

Any 20000-level Art History class

*Art Courses (3 hours)*

ART 10113 or ART 10123 (Design)  
ART 10133 (3-D Design)

**\*\*Note:** ART 10043 replaces ART 10053 and 10063. ART 10043 is the prerequisite for any course that requires one or both of those courses.

**Art Minor**

The minor in art requires 18 hours with a minimum of six hours of upper-level coursework

*Art History (3 hours)*

ART 10043 Introduction to Art History or  
Any 20000-level art history course

*Art Electives (15 hours)*

Any approved art courses

**Art History Minor**

The history minor requires 21 hours of coursework.

*Art History (6 hours)*

ART 10043 Introduction to Art History  
Any 20000-level art history course

*Art Electives (15 hours)*

Art history courses as approved by adviser

**Arts Administration Minor - Dance**

An optional minor in arts administration is offered under the College of Fine Arts.

**Art and Art History Course Subcategories**

**Studio Art**

- ART 10103 Drawing I
- ART 10113 Drawing II
- ART 10123 Design and Color
- ART 10133 Three Dimensional Design
- 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 21103 Life Studies
- 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 30760 Alternative, Non-Silver Photo Processes
- ART 30770 Documentary Photography
- ART 30790 Interactive Media for Artists
- ART 30903 Seminar in Art Professions
- ART 40003 Senior Honors Research
- ART 40710 Advanced Digital Photography
- ART 40970 Special Problems
- ART 40983 Senior Exhibition

**Graphic Design**

- ART 10143 Introduction to Visual Communication
- ART 20323 Typography I
- ART 20333 Typography II
- 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 40403 Portfolio Enhancement
- ART 40410 Graphic Design Internship
- ART 40413 Portfolio and Marketing
- ART 40970 Special Problems

**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 20093 Art of Mexico from 1500 to the Present
- 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 30163 Maya Art and Architecture
- 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 30510 Special Topics in Art History (WE)
- 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 20903 Children, Creativity and the Fine Arts
- FNRT 30900 Fine Art Interdisciplinary Course
- FNRT 30903 Art and Music in Hungary

**Art Courses**

**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.

**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**

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 20913 - Experiencing Art and Music in Central Europe**

An experiential approach to appreciating art and music in central European countries from the period of the Enlightenment to today.

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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, Breugel, 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 - Advanced 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 our 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 logotype 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 30510 - Special Topics in Art History**

Prerequisites: ART 10043 and one 20000-level course, or permission of the instructor. Writing Emphasis course on art historical topics and museum exhibitions and collections.

**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 class 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**ART 34990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 40403 - Portfolio Enhancement**

Prerequisites: Senior standing in the Graphic Design Program and permission of the instructor. An individually-directed class with a focus on improving the quality of the student's portfolio.

**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**

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 20903 - Children, Creativity and the Fine Arts**

This multidisciplinary course will provide elementary education, child development and other interested majors with the experiences and tools to design meaningful arts learning experiences for children. Students will spend five weeks in each art content area: visual art, music, and dance. Students will develop their creative capacities in each of these disciplines by examining and critiquing art, creating art and designing elementary art curricula.

**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**

**Dance**

**School for Classical & Contemporary Dance**

The School for Classical & Contemporary Dance offers the Bachelor of Fine Arts (BFA) degree with a major in ballet, modern dance, and ballet and modern dance. Students who want to pursue a double major in both ballet and modern dance must complete two semesters as a single major and request approval of the faculty. An audition is required for entrance to and placement in the program for all incoming dance students. Contact the School for Classical & Contemporary Dance at TCU for audition information.

Dance Teacher Certification qualifies students to teach dance in secondary education (grades 8-12) in Texas. The program is open to TCU ballet and/or modern dance majors. The program aims to produce qualified dance teachers who are technically proficient and theoretically informed. See the College of Education on page 74 for specific requirements.

The School for Classical & Contemporary Dance's mission is to develop educated dance artists who are prepared to become professionals and leaders in the global dance community.

**Departmental Policies**

1. Students majoring in ballet and/or modern dance are accepted for a one-year trial period, during which potential and progress are evaluated by the dance faculty to ascertain the feasibility of continuing toward a dance degree. With faculty approval, this trial period may be extended for up to one additional year.
2. It is acceptable for dance majors to pursue two majors, two degrees or a minor at TCU. Students who want to earn a degree in ballet and/or modern dance while simultaneously working toward a second major in the College of Fine Arts, a second degree, a minor or a dance certification should expect to spend more than four years to complete the additional requirements.
3. All incoming dance majors are required to participate in technique placement classes at the beginning of their first semester at TCU.
4. Students with limited technical proficiency may be required to enroll in additional coursework.
5. A minimum 2.0 GPA in the major is required as a prerequisite to upper-division dance courses. A student whose GPA falls below this level may not enroll in upper-division dance courses until the 2.0 average has been achieved. After enrollment in upper-division dance courses, a minimum 2.0 GPA must be maintained as a prerequisite to further advanced enrollment.
6. All dance majors will take at least one technique class daily.
7. Dance majors must achieve Level II by their fourth semester to continue in the major and must earn a minimum of three credit hours in Level III for graduation.
8. Women ballet majors are required to take four semesters of Pointe courses and must achieve the 30110 level by their fourth semester to continue as a ballet major.

9. Dance majors must earn .5 *DanceTCU* credit hours during their first three semesters and a minimum of 1.5 credit hours for graduation.
10. Dance majors will adhere to policies outlined in the departmental handbook.
11. All majors are required to audition for major productions and participate when cast and/or given a crew assignment. Once a dance major is declared at TCU, students will take .5 credit hour of Dance Production Practicum each semester. 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.
12. All dance majors should maintain a level of health and wellness that allows for full and consistent participation in all levels of required physical activity.
13. Dance majors receive a letter grade for all SCCD courses with the exception of *DanceTCU* (DANC 20300/DANC 40300) and Dance Production Practicum (DANC 10300/DANC 30300) which are taken on the Pass/No-Credit basis.

## Ballet Major Requirements

### University Requirements

*Undergraduate degree (130.5 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 majors must achieve the 30110 level by their fourth semester to continue as a ballet major and must earn a minimum of three credit hours at the 40110 level for graduation.

#### *Technique (21 hours)*

DANC 20100	Classical Ballet Technique Level I
DANC 30100	Ballet Technique and Artistry Level II
DANC 40100	Advanced Ballet Technique and Artistry Level III

Women ballet majors in levels I and II are also required to register concurrently for .5 hours of Pointe for four semesters.

#### *Pointe (2 hours)*

DANC 20110	Pointe I
DANC 30110	Pointe II

#### *Modern Dance Technique (6 hours)*

DANC 20200	Modern Dance Technique Level I
DANC 30200	Modern Dance Technique and Artistry Level II
DANC 40200	Advanced Modern Dance Technique and Artistry Level III

Ballet majors are required to register concurrently for one hour of bodywork for three semesters.

#### *Bodywork (3 hours)*

DANC 10211	Bodywork I
DANC 10221	Bodywork II
DANC 20211	Bodywork III
DANC 20221	Bodywork IV

#### *Additional Courses (50.5 hours)*

DANC 10300	Dance Production Practicum I (2 hours)
DANC 10302	Music for Dancers
DANC 10311	Topics in Dance
DANC 10312	Improvisation
DANC 10341	The Working Body
DANC 20300	<i>DanceTCU</i> I (1 hour)
DANC 20303	Functional Anatomy
DANC 20322	Choreography I: Elements of Dance Composition
DANC 20333	Dance Production
DANC 30162	Ballet Variations I (women)
DANC 30172	Ballet Variations II (women)
DANC 30180	Ballet Partnering (2 hours) (required each semester for men: 8 hours total)
DANC 30130	Teaching Methods: Ballet (2 hours)
DANC 30300	Dance Production Practicum II (2 hours)
DANC 30332	Choreography II: Intermediate Dance Composition
DANC 30333	Lighting Design for Dance
DANC 40300	<i>DanceTCU</i> II (.5 hours)
DANC 40333	International Dance Forms
DANC 40343	Choreography III: Advanced Dance Composition

DANC 40353	Choreography IV: Senior Capstone
DANC 40373	Dance History I
DANC 40383	Dance History II
DANC 50303	Dance Theory

May move through DanceTCU levels differently

*Approved Dance Electives (9 hours)*

## Suggested Courses for Freshman Year

### Fall (11.5 hours)

DANC 10211	Bodywork I
DANC 10300	Dance Production Practicum I (.5 hours)
DANC 10311	Topics in Dance
DANC 10341	The Working Body
DANC 20100	Ballet Technique (2 hours)
DANC 20110	Pointe I (.5 hours)
DANC 20200	Modern Technique (2 hours)
DANC 20300	<i>DanceTCU</i> I (.5 hours)
DANC 20333	Dance Production
TCU Core Curriculum	(6 hours)

### Spring (10.5 hours)

DANC 10221	Bodywork II
DANC 10300	Dance Production Practicum (.5 hours)
DANC 10302	Music for Dancers
DANC 10312	Improvisation
DANC 20100	Ballet Technique (2 hours)
DANC 20110	Pointe I (.5 hours)
DANC 20200	Modern Technique (2 hours)
DANC 20300	<i>DanceTCU</i> I (.5 hours)
TCU Core Curriculum	(6 hours)

## Modern Dance Major Requirements

### University Requirements

*Undergraduate degree (127.5 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 (21 hours)*

DANC 20200	Modern Dance Technique Level I
DANC 30200	Modern Dance Technique and Artistry Level II
DANC 40200	Advanced Modern Dance Technique and Artistry Level III

Modern dance majors are required to register concurrently for one hour of bodywork for four semesters.

#### *Bodywork (4 hours)*

DANC 10211	Bodywork I
DANC 10221	Bodywork II
DANC 20211	Bodywork III
DANC 20221	Bodywork IV

#### *Ballet Technique (6 hours)*

DANC 20100	Classical Ballet Technique Level I
DANC 30100	Ballet Technique and Artistry Level II
DANC 40100	Advanced Ballet Technique and Artistry Level III

#### *Additional Courses (48.5 hours)*

DANC 10300	Dance Production Practicum I (2 hours)
DANC 10302	Music for Dancers
DANC 10311	Topics in Dance
DANC 10312	Improvisation
DANC 10341	The Working Body
DANC 20300	<i>DanceTCU</i> I (1 hour)
DANC 20303	Functional Anatomy
DANC 20322	Choreography I: Elements of Dance Composition
DANC 20333	Dance Production
DANC 30230	Teaching Methods: Modern (2 hours)
DANC 30300	Dance Production Practicum II (2 hours)
DANC 30332	Choreography II: Intermediate Dance Composition
DANC 30333	Lighting Design for Dance
DANC 40262	Contact Improvisation
DANC 40272	Advanced Performance Practicum
DANC 40300	<i>DanceTCU</i> II (.5 hours)
DANC 40333	International Dance Forms
DANC 40343	Choreography III: Advanced Dance Composition

DANC 40353	Choreography IV: Senior Capstone
DANC 40373	Dance History I
DANC 40383	Dance History II
DANC 50303	Dance Theory

May move through *DanceTCU* levels differently

*Approved Dance Electives (9 hours)*

**Suggested Courses for Freshman Year  
Fall (11 hours)**

DANC 10211	Bodywork I
DANC 10300	Dance Production Practicum (.5 hours)
DANC 10311	Topics in Dance
DANC 10341	The Working Body
DANC 20100	Ballet Technique (2 hours)
DANC 20200	Modern Technique (2 hours)
DANC 20300	<i>DanceTCU I</i> (.5 hours)
DANC 20333	Dance Production
TCU Core Curriculum (6 hours)	

**Spring (10 hours)**

DANC 10300	Dance Production Practicum (.5 hours)
DANC 10302	Music for Dancers
DANC 10312	Improvisation
DANC 20100	Ballet Technique (2 hours)
DANC 20200	Modern Technique (2 hours)
DANC 20300	<i>DanceTCU I</i> (.5 hours)
DANC 10221	Bodywork II
TCU Core Curriculum (6 hours)	

**Ballet and Modern Dance Double Major**

Students wishing to earn a degree in ballet and modern dance must complete two semesters as a single major and request approval of the dance faculty. A written petition to become a double major in dance must be submitted to the director during the third semester at TCU.

*University Requirements*

*Undergraduate double degree (142.5 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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**

Double majors must achieve the 30110 level by their fourth semester to continue as a ballet major and must earn a minimum of three credit hours at the 40110 level for graduation.

Ballet Technique (16 hours)

DANC 20100	Classical Ballet Technique Level I
DANC 30100	Ballet Technique and Artistry Level II
DANC 40100	Advanced Ballet Technique and Artistry Level III

Women double majors in levels I and II are also required to register concurrently for .5 hours of Pointe for four semesters.

*Pointe (2 hours)*

DANC 20110	Pointe I
DANC 30110	Pointe II

*Modern Dance Technique (16 hours)*

DANC 20200	Modern Dance Technique Level I
DANC 30200	Modern Dance Technique and Artistry Level II
DANC 40200	Advanced Modern Dance Technique and Artistry Level III

Double majors are required to register concurrently for one hour of bodywork for four semesters.

*Bodywork (4 hours)*

DANC 10211	Bodywork I
DANC 10221	Bodywork II
DANC 20211	Bodywork III
DANC 20221	Bodywork IV

*Additional Courses (56.5 hours)*

DANC 10300	Dance Production Practicum I (2 hours)
DANC 10302	Music for Dancers
DANC 10311	Topics in Dance
DANC 10312	Improvisation
DANC 10341	The Working Body
DANC 20300	<i>DanceTCU I</i> (1 hour)

DANC 20303	Functional Anatomy
DANC 20322	Choreography I: Elements of Dance Composition
DANC 20333	Dance Production
DANC 30162	Ballet Variations I (women)
DANC 30172	Ballet Variations II (women)
DANC 30180	Ballet Partnering (2 hours) (required each semester for men: 8 hours total)
DANC 30130	Teaching Methods: Ballet (2 hours)
DANC 30230	Teaching Methods: Modern (2 hours)
DANC 30300	Dance Production Practicum II (2 hours)
DANC 30332	Choreography II: Intermediate Dance Composition
DANC 30333	Lighting Design for Dance
DANC 40262	Contact Improvisation
DANC 40272	Advanced Performance Practicum
DANC 40300	<i>DanceTCU II</i> (.5 hours)
DANC 40333	International Dance Forms
DANC 40343	Choreography III: Advance Dance Composition
DANC 40353	Choreography IV: Senior Capstone
DANC 40373	Dance History I
DANC 40383	Dance History II
DANC 50303	Dance Theory

May move through *DanceTCU* levels differently

*Approved Dance Electives (9 hours)*

**Arts Administration Minor - Art**

An optional minor in arts administration is offered under the College of Fine Arts.

**Classical & Contemporary Dance Courses**

**DANC 10211 - Bodywork I**

Prerequisites: Dance major or permission of instructor. This course is the first in a series of bodywork courses. It provides foundational information and experiences regarding alignment and conditioning for dancers with a focus on patterning effective habits, and dancing efficiently and safely. Students will participate in a variety of bodywork methods with focus on basic principles.

**DANC 10221 - Bodywork II**

Prerequisites: Dance major or permission of instructor. This intermediate level course is the second in a series of bodywork courses. Course content builds on information and experiences regarding alignment and conditioning for dancers from DANC 10211, Bodywork I.

**DANC 10300 - Dance Production Practicum I**

Prerequisites: Dance major or permission of instructor. Practical experience in all facets of dance production related to departmental presentations. (Maximum of .5 credit hour per semester. Course may be repeated for a maximum of 3 credit hours.)

**DANC 10302 - Music for Dancers**

Prerequisite: Dance major or permission of instructor. This course will provide dancers with a basic understanding of music theory and structure. Students will have practical experience working with musicians (composers and accompanists) as applied to dance.

**DANC 10311 - Topics in Dance**

Prerequisite: Dance majors. 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.

**DANC 10312 - Improvisation**

Prerequisite: Concurrent enrollment in Ballet and/or Modern Dance Technique or permission of the instructor. This course focuses on improvisation as a dance form; a means of developing movement in the moment that fuses the role of creator and performer. Various approaches to improvisation will be presented and explored, including improv as a tool for dance composition. Students will acquire basic skills for critical response and analysis.

**DANC 10341 - The Working Body**

Prerequisite: Dance major or permission of instructor. Approaches to healthful and efficient movement through topics including structure, alignment and conditioning particularly appropriate to the aspiring professional dancer.



**DANC 10411 - Beginning Ballet for General Students**

Beginning ballet for general students. Introduction to theory and practice of classical ballet for general students. (Course may be repeated.)

**DANC 10413 - Intermediate Ballet Technique for General Students**

Prerequisites: Placement audition and/or permission of instructor required. Study and practice of classical ballet technique for general students at the intermediate level. (Course may be repeated.)

**DANC 10421 - Beginning Modern Dance for General Students**

Introduction to theory and practice of modern dance for general students. (Course may be repeated.)

**DANC 10423 - Intermediate Modern Dance for General Students**

Prerequisite: Placement audition and/or permission of instructor required. Study and practice of modern dance technique for general students at the intermediate level. (Course may be repeated.)

**DANC 10432 - Character Dance**

Introduction to character dances selected from a variety of classical ballets designed to develop character dance technique and musicality.

**DANC 10453 - 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.

**DANC 20100 - Classical Ballet Technique Level I**

Prerequisite: Dance Major or permission of instructor. Training in theory and practice of Classical Ballet at the high beginner/intermediate level. (.5-3 hours maximum per semester, 9 hours maximum for dance majors.)

**DANC 20110 - Pointe I**

Prerequisite: Ballet Major or instructor permission and concurrent enrollment in Ballet Technique Level I or Ballet Technique Level II. This course develops the strength, technique and skill specific to pointe work at the intermediate level of technique. (Credit: .5 semester hour per semester - may be repeated for credit up to a maximum of 2 semesters)

**DANC 20130 - Directed Studies in Ballet**

Prerequisites: Dance majors only or permission of instructor. Independent project supervised by faculty. (0.5 - 3 credit hours per course.)

**DANC 20200 - Modern Dance Technique Level I**

Prerequisite: Dance major. Training, theory and practice of modern dance (classical and/or contemporary forms.) at the high beginner/intermediate level. (.5-3 hours maximum per semester, 9 hours maximum.)

**DANC 20211 - Bodywork III**

Prerequisites: Dance major or permission of instructor. This intermediate/advanced level course is the third in a series of bodywork courses. Course content builds on information and experiences regarding alignment and conditioning for dancers from DANC 10221, Bodywork II.

**DANC 20221 - Bodywork IV**

Prerequisites: Dance major or permission of instructor. This course is the fourth in a series of bodywork courses that provides information and experiences regarding alignment, conditioning, re-patterning, efficient and safe movement. Students will participate in a variety of bodywork methods building on basic principles learned from DANC 20211, Bodywork III.

**DANC 20230 - Directed Studies in Modern Dance**

Prerequisites: Dance major or permission of instructor. Independent project supervised by faculty. (.5-3 semester hours per course.)

**DANC 20300 - DanceTCU I**

Prerequisite: Dance major permission of instructor. This course is a performance course. Students earn the opportunity - via audition - to perform in either a faculty or guest artist work. Through the performance experience, students utilize dance technique and artistry developed in ballet and modern dance courses. This course may be repeated for credit for 1-8 hours, .5 credit hour per semester (1.5 hours minimum required for dance majors.)

**DANC 20303 - Functional Anatomy**

Prerequisites: Dance major or permission of instructor. 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 on the qualitative differences in dance performance

and the relationship between scientific and aesthetic aspects of movement. Methodologies in this course will be lecture with integrated lab.

**DANC 20322 - Choreography I: Elements of Dance Composition**

Prerequisite: DANC 10312, and concurrent enrollment in a Ballet and/or Modern Dance technique class, or permission of 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.

**DANC 20333 - Dance Production**

Prerequisites: 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.

**DANC 20442 - Jazz Dance I**

Study of Jazz Dance techniques. Classes include warm-up, strengthening exercises and progressions. Course content will be drawn from lyrical, contemporary musical theatre and hip-hop styles.

**DANC 20452 - Jazz Dance II**

Study of Jazz Dance techniques. Classes include warm-up, strengthening exercises and progressions. Course content will be drawn from among lyrical, contemporary musical theatre and hip-hop styles.

**DANC 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**DANC 30100 - Classical Ballet Technique and Artistry Level II**

Prerequisites: Dance majors, and DANC 20100 or permission of instructor. Training in the theory and practice of Classical Ballet at the intermediate level. (.5-3 hours maximum per semester, 15 hours maximum for dance majors.)

**DANC 30110 - Pointe II**

Prerequisites: Ballet major or instructor permission and concurrent enrollment in Ballet Technique Level II or Ballet Technique Level III. This course develops the strength, technique and skill specific to pointe work at the advanced level of technique. (Credit 0.5 semester hour. May be repeated for credit.)

**DANC 30130 - Teaching Methods-Ballet**

Prerequisite: Must be a dance major with junior, senior or graduate standing. Theory, methods of teaching dance with specific focus on ballet (1-3 semester hours.)

**DANC 30162 - Ballet Variations I**

Prerequisite: Dance major. Practice and performance of ballet variations from the Romantic, Classical and Neo-Classical repertoire.

**DANC 30172 - Ballet Variations II**

Prerequisites: Dance major; DANC 30162 or permission of instructor. Continuation of DANC 30162 with practice and performance of more complex ballet variations from the Romantic, Classical and Neo-Classical, and/or Contemporary Repertoire.

**DANC 30180 - Ballet Partnering**

Prerequisites: Women: DANC 30110 or permission of instructor. For men: dance major or permission of instructor. Emphasis on partnering in classical and contemporary ballet. (1-8 semester hours.)

**DANC 30200 - Modern Dance Technique and Artistry Level II**

Prerequisite: Dance major. Training, theory and practice of modern dance (classical and/or contemporary forms.) at the intermediate level. (.5-3 hours maximum per semester, 15 hours maximum for dance majors.)

**DANC 30230 - Teaching Methods - Modern Dance**

Theory, methods and materials of teaching dance with specific focus on modern dance. (1-3 semester hours)

**DANC 30300 - Dance Production Practicum II**

Prerequisites: major and DANC 10300, or permission of instructor. Continued practical experience in dance production leadership related to departmental presentations. (Course may be repeated for a maximum of 3 credit hours.)

**DANC 30303 - Junior Honors Seminar**

Prerequisites: Dance major and Honors standing. A supervised research experience in dance 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. Performance may be an aspect of the course. Arrangements for the course, which is offered only as a tutorial, must be made with an instructor prior to enrollment.

**DANC 30311 - Frameworks for Action**

Prerequisite: Dance major. This seminar course is an exploration of dance-related topics providing frameworks for professional success in the field.

**DANC 30330 - Creative Movement for Children**

Prerequisites: DANC 30100 or 30200 or permission of the instructor. This course explores the theory and practice of teaching Creative Movement for young children. Students will learn to design and implement classes that harness the elements of dance - body, time, space and energy - to the end of stimulating creative investigation via movement. 1-3 credit hours.

**DANC 30332 - Choreography II: Intermediate Dance Composition**

Prerequisites: DANC 20322, concurrent enrollment in Ballet and/or Modern Dance technique class, or permission of the instructor. As dance majors further their choreographic skills, focus centers on developing content, defining structure and learning to manipulate choreographic devises. Creativity and critical analysis are essential components of coursework.

**DANC 30333 - Lighting and Design for Dance**

Prerequisites: Dance major and DANC 20333, or permission of instructor. This course will provide students with the information and practical experience to create and implement lighting design for dance.

**DANC 30363 - Study Abroad: Physical Theatre in the United Kingdom**

Prerequisites: DANC 20100 and 20200 or permission of instructor. Physical Theatre is a contemporary, hybrid art form developed within European culture. Program participants will move between hands-on practice - developing and testing ideas in the studio - and historical, aesthetic and critical investigation of the form. Study in the UK will be augmented by attendance at an international festival to view and respond to physical theatre in live performance.

**DANC 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**DANC 40100 - Advanced Ballet Technique and Artistry Level III**

Prerequisite: Dance Major. Training in the theory and practice of ballet (classical and contemporary forms) at the advanced level. (.5-3 hours maximum per semester.)

**DANC 40120 - Directed Studies in Ballet**

Prerequisites: Dance major or permission of instructor. Independent project supervised by faculty. (0.5 - 3 credit hours per course.)

**DANC 40200 - Modern Dance Technique and Artistry Level III**

Prerequisite: Dance major. Training, theory and practice of modern dance (classical and/or contemporary forms) at the advanced level. (.5 - 3 hours maximum per semester.)

**DANC 40220 - Directed Studies in Modern Dance**

Prerequisites: Dance major or permission of instructor. Independent project supervised by faculty. (.5 - 3 credit hours per course.)

**DANC 40262 - Contact Improvisation**

Prerequisites: DANC 10312 or permission of instructor. This course explores contact improvisation as a duet form grounded in the principles of weight sharing, gravity and momentum. Dancers will work together to hone improvisational skills that include heightened awareness and

partnering work that requires commitment, responsiveness, and immediacy.

**DANC 40272 - Advanced Performance Practicum**

Prerequisites: Dance major or permission of instructor. Dancers are challenged to enhance performance abilities and further develop artistry.

**DANC 40300 - DanceTCU II**

Prerequisites: Dance major or permission of the instructor. This course is a continuation of DanceTCU I for Junior and Senior dance majors. Students earn the opportunity - via audition - to perform in either a faculty or guest artist work. Through the performance experience, advanced dancers utilize dance technique and mature artistry developed in ballet and modern dance courses. This course may be repeated for credit for 1 - 8 hours, .5 credit hour per semester. (1.5 hours minimum required for dance majors.)

**DANC 40303 - Senior Honors Seminar**

Prerequisites: Dance major and Honors standing. A supervised research experience with a thesis that is usually based on work completed in DANC 30303. Arrangements for the course, which is offered only as a tutorial, must be made with an instructor prior to enrollment.

**DANC 40333 - International Dance Forms**

Prerequisites: Dance major or permission of instructor. This course examines the history, aesthetics, and practice of world dance forms. Specific forms and topics covered are at the discretion of the instructor.

**DANC 40343 - Choreography III: Advanced Dance Composition**

Prerequisite: DANC 30332. Advanced exploration of the form and content of contemporary choreography culminating in production of original dance works including the integration of theatrical production elements. Critical response skills will be fine-tuned.

**DANC 40353 - Choreography IV: Senior Capstone**

Prerequisites: Dance major and DANC 40343 or permission of instructor. A capstone course giving the BFA candidate an opportunity to thoroughly explore, develop, edit and produce a project for performance that demonstrates choreographic crafting informed by artistic judgments and personal values. This course requires the integration of theatrical production elements.

**DANC 40373 - Dance History I**

Prerequisites: Dance major or permission of instructor. This course examines the history of dance from ancient civilizations through the Medieval and Renaissance periods, the Romantic and Classical eras in ballet, to the beginning of the twentieth century. The specific period and topics covered are at the discretion of the instructor.

**DANC 40383 - Dance History II**

Prerequisites: DANC 40373, dance major or permission of instructor. A continuation of DANC 40373, this course generally examines the history of Western theatrical dance in the twentieth and twenty-first centuries. Specific topics covered are at the discretion of the instructor.

**DANC 50303 - Dance Theory**

Prerequisites: DANC 40373 and 40383. This course surveys readings and topics in the theory and philosophy of dance. Specific topics are at the discretion of the instructor, and may include aesthetics of dance, dance historiography, dance and music, dance and feminism, dance and sexuality, and dance for the camera.

**Design, Merchandising and Textiles**

The Department of Design, Merchandising and Textiles offers the Bachelor of Science (BS) degree with two major options:

- Interior Design
- Fashion Merchandising

The Interior Design Program is accredited by the Council for Interior Design Accreditation (CIDA).

**Pass/No-Credit Policy**

Students majoring in the College of Fine Arts may take up to six semester hours of courses on a Pass/No-Credit (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 are subject to the P/NC policy of their major department.

**Minimum Grade Requirement**

A 2.5 cumulative GPA is required to declare a fashion merchandising or interior design major. 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, 20273 and 20283. To matriculate to upper-level courses and to graduate with an interior design major, students must have a "C" or better in all DEMT courses.

**Honors Program**

Departmental Honors are available. See DEMT 30003, 40003.

**Sophomore Portfolio Review**

All interior design majors are required to submit a portfolio for Sophomore Portfolio Review during the fall semester of the sophomore year. Successful passage of the sophomore portfolio review is required in order to continue in the major. Students who do not pass sophomore portfolio review are eligible to resubmit a portfolio during the following academic year and may not continue in the major until successful passage of Sophomore Portfolio Review.

**Interior Design Requirements**

The interior design major 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 CIDA-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 and 40493.

*Related Requirement:* ART 10043. Electives to total 124 semester hours.

**Minor in Lighting for Visual Presentation**

Requirements for the minor in lighting for visual presentation are DEMT 10453, 20283, 40053; THEA 30503 and 40543; and one of the following: DEMT 10413, PSYC 30423, THEA 40553 and ART 20743

**Interior Design Majors Minor in Lighting**

Requirements for interior design major minoring in lighting are DEMT 20283, 40053 and 40970; THEA 30503, and 40543; and PSYC 30423 or THEA 40553 or ART 20743.

**Fashion Merchandising Majors Minor in Lighting**

Requirements for fashion merchandising majors minoring in lighting are DEMT 10453, 40053 and 40970; THEA 30503 and 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 take place 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 and 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 Requirements**

The fashion merchandising program involves all activities related to the development, buying and selling of merchandise. This major is for students 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, 30253, 30263, 30283, 40013, 40203, 40213, 40223, 40243, 40263 and 40286.

*Minor Requirement:* General business, journalism, speech, art, radio-TV-film, foreign language or other approved minor.

*Other:* TCU Core Requirements and electives to total 124 semester hours.

**Design, Merchandising and Textiles 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 three to six 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 three to six hours of undergraduate credit toward the major. The TCU in Scotland Program, an interdisciplinary program, focuses on the Scottish Enlightenment. The course is available for three to six hours of undergraduate credit.

**Design, Merchandising and Textiles Student 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.

**Design, Merchandising and Textiles Course Subcategories**

- 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 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 20262 Fashion Illustration
- DEMT 20273 Clothing Construction
- DEMT 20283 Promotion Principles
- DEMT 30263 Product Development
- DEMT 30253 Merchandising: Buying
- DEMT 30283 Principles of Textile Testing and Analysis
- DEMT 40013 Entrepreneurship in Design, Merchandising and Textiles

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 40286	Fashion Internship

## Design Merch & Textiles Courses

### DEMT 10243 - Merchandising Principles

Prerequisite: Merchandising major. 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, a grade of 'C' or better in DEMT 10243 and sophomore standing in the major. 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. Use of illustration for merchandise development and promotion.

### DEMT 20273 - Clothing Construction

Prerequisites: Merchandising major. 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, a grade of 'C' or better in DEMT 10243 and sophomore standing in the major. 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: For Merchandising majors, a grade of 'C' or better in DEMT 20253, 20263, 20273, and 20283; for Interior Design majors, a grade of 'C' or better in DEMT 30413. Two 1-hour lectures, one 2-hour lab per week. Overview and application of specialized computer software as they relate to design in the apparel and interior industries.

### DEMT 30091 - Career Development

Prerequisite: Junior standing in the major. For merchandising major: prerequisite or concurrent enrollment in DEMT 30253, 30263. 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 30253 - Merchandising: Buying

Prerequisite: Merchandising major, junior standing in the major, TCU Core Math requirement, 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 30263 - Product Development

Prerequisite: Merchandising major, junior standing in the major; a grade of 'C' or better in DEMT 20253, 20263, 20273 and 20283. 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; junior or senior standing in the major and DEMT 30263. 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 of '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 of '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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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: Merchandising major, junior or senior standing in the major, and ENGL 20803 or ENGL 20833. 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: Merchandising major, junior or senior standing in the major, ENGL 20803 or ENGL 20833. A global exploration of the sociological, economical, psychological and cultural aspects of apparel and dress.

#### **DEMT 40213 - History of Costume**

Prerequisite: Merchandising major, 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, 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, DEMT 30073, 30253 and 30263. A study of the economic principles involved in the production, marketing and distribution of textiles and apparel in relation to the global market.

#### **DEMT 40283 - Fashion Internship**

Prerequisites: TCU cumulative 2.5 GPA, Merchandising major, DEMT 30253, 30263, and a grade of 'C' or better in DEMT 30091, junior standing in the major. 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).

## **Music**

### **School of Music**

The School of Music offers the Bachelor of Music degree (BM) with majors in performance, piano pedagogy, theory/composition, and church music; the Bachelor of Music Education degree (BME) with a concentration in vocal or instrumental music in preparation for all-level certification; and the Bachelor of Arts degree (BA) with either a major or minor in music.

#### **Admission**

Acceptance to the School of Music requires passing 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 résumé highlighting musical activities 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 a video DVD recording and/or copies of original scores and papers. Detailed audition information is available from the School of Music. After satisfying all of the above requirements, final acceptance to the School of Music is contingent on being admitted to TCU.

#### **Pre-Major Status**

All incoming music students are designated as music pre-majors (MUPM). A student must complete the above application requirements

and pass an audition in the primary performance and scholarly area in order to be eligible for music major status. Once eligible, the student completes and submits a signed Change of Major form to the School of Music office. This form is then sent to the College of Fine Arts where it is processed and the new major is in effect once it appears on the student's my.tcu.edu account. Forms are available in the School of Music office or online at [www.music.tcu.edu/Major\\_Authorization.pdf](http://www.music.tcu.edu/Major_Authorization.pdf).

### Honors Program

Music majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in the Honors sections of MUSI 30613 and 30623 prior to their senior year. They should enroll in MUSI 40003 the fall semester of their senior year.

### School Facilities

The School of Music is housed in historic Ed Landreth Hall, the Mary D. and F. Howard Walsh Center for Performing Arts, Music Building South and Jarvis Hall. The Ed Landreth building includes the music offices and conference room; teaching studios; classrooms, a computer lab; practice and rehearsal facilities; and a 1,200-seat auditorium, once home to the Van Cliburn International Piano Competition. Instrumental resources include numerous upright and grand pianos, four pipe organs, two harpsichords, a clavichord and a collection of authentic Baroque instruments.

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, an electronic piano laboratory, piano teaching studios and piano practice rooms all furnished exclusively with Steinway pianos.

Located on the south side of the TCU campus, Music Building South serves the TCU Opera Studio and contains a 100-seat rehearsal studio theater and the John Large Vocal Arts Laboratory.

The third floor of the newly renovated Jarvis Hall contains teaching studios, two classrooms, the Upchurch Studio for Electro-Acoustic Music, the Music Education Resource Library and the School of Music student lounge.

In addition to these four buildings, practice rooms and teaching studios are located in Waits and Foster residence halls; and a large, comprehensive music library complete with recordings, reference books, texts, scores, and a listening room is housed in the Mary Coutts Burnett Library.

## School of Music Requirements

### Keyboard Skills

All music majors, unless exempted by testing, register for MUSI 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 are not allowed to register for courses in the junior year until this requirement is met. Piano and organ majors meet this requirement by taking MUSI 20071 and 20081, Functional Piano.

### Recitals

All music majors participate in school and studio recitals. Students majoring in performance are required to present a half recital during their junior year and a full recital during their senior year. Students majoring in music education are required to present a half recital, typically the semester before student teaching.

### Juries

A jury examination takes place 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 and pass MUSI 11000, Recital Hour, 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 of these concerts must be from the weekly School of Music Recital Hour Series. The remaining nine 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 days after the event, or they will not be accepted. The deadline to submit programs for concert credit is 5 p.m. on the last day of classes.

All music courses taken in the major or minor sequences must be passed with a grade of "C" or better to fulfill graduation requirements.

## Performance Major Requirements

The School of Music offers the BM with a major in performance in the following areas:

- Piano
- Organ
- Piano Pedagogy
- Wind and Percussion Instruments
- String Instruments
- Voice

### Piano

The BM with a major in performance-piano requires the following:

### University Requirements

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total, .5 hour each semester)*

Choral Ensemble-1 semester (Choose from MUSI 10030, 10040 or 10130/10140)

Undergraduate Collaborative Piano-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 two semesters and only by petition to the piano faculty)

*Studio Performance Lessons (24 hours)*

Lower Division-12 hours

Upper Division-12 hours

*Music Theory (25 hours)*

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 and Analysis
MUSI 30222	Modal Counterpoint
MUSI 30232	Tonal Counterpoint
MUSI 50203	Musical Structure and Style

*Music History (12 hours)*

MUSI 20613	History of Music: Ancient, Medieval, Renaissance
MUSI 30613	History of Music: Baroque and Classic
MUSI 30623	History of Music: Romantic and 20th Century
MUSI 50433	Keyboard Literature

*Performance Pedagogy (4 hours)*

MUSI 30052	Beginning Pedagogy
MUSI 30062	Intermediate Pedagogy

*Functional Piano (2 hours)*

MUSI 20071	Functional Piano
MUSI 20081	Functional Piano

*Conducting (2 hours)*

MUSI 20512	Introduction to Conducting
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*Recitals (2 hours)*

MUSP 30991	Recital I
MUSP 40991	Recital II

*Music Electives (5 hours)*

Must include three hours of Advanced Music Theory or Advanced Music History

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music

**Organ**

The BM with a major in performance-organ requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-.5 hour each semester)*

Choral Ensemble-4 semesters (Choose from MUSI 10030, 10040 or MUSI 10130/10140)

Chamber Music or Collaborative Piano-4 semesters (Choose from MUSI 10080 or 10170)

*Studio Performance Lessons (24 hours)*

Lower Division-12 hours

Upper Division-12 hours

*Music Theory (25 hours)*

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 and Analysis  
MUSI 30222 Modal Counterpoint  
MUSI 30232 Tonal Counterpoint  
MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
MUSI 30613 History of Music: Baroque and Classic  
MUSI 30623 History of Music: Romantic and 20th Century  
MUSI 50433 Keyboard Literature

*Performance Pedagogy (4 hours)*

MUSI 30052 Beginning Pedagogy  
MUSI 30062 Intermediate Pedagogy

*Functional Piano (2 hours)*

MUSI 20071 Functional Piano  
MUSI 20081 Functional Piano

*Conducting (2 hours)*

MUSI 20512 Introduction to Conducting

*Recitals (2 hours)*

MUSP 30991 Recital I  
MUSP 40991 Recital II

*Music Electives (5 hours)*

Must include three hours of Advanced Music Theory or Advanced Music History

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music

**Piano Pedagogy**

The BM with a major in performance-piano pedagogy requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-.5 hour each semester)*

Choral Ensemble-1 semester (Choose from MUSI 10030, 10040, or MUSI 10130/10140)

Undergraduate Collaborative Piano-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 two semesters and only by petition to the piano faculty)

*Studio Performance Lessons (18 hours)*

Lower Division -8 hours

Upper Division-10 hours

*Music Theory (25 hours)*

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 and Analysis  
MUSI 30222 Modal Counterpoint  
MUSI 30232 Tonal Counterpoint  
MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
MUSI 30613 History of Music: Baroque and Classic  
MUSI 30623 History of Music: Romantic and 20th Century  
MUSI 50433 Keyboard Literature

*Performance Pedagogy (8 hours)*

MUSI 30052 Beginning Pedagogy  
MUSI 30062 Intermediate Pedagogy  
MUSI 40052 Group Piano Pedagogy  
MUSI 40062 Piano Teaching Internship

*Functional Piano (2 hours)*

MUSI 20071 Functional Piano  
MUSI 20081 Functional Piano

*Conducting (2 hours)*

MUSI 20512 Introduction to Conducting

*Recitals (2 hours)*

MUSP 30991 Recital I  
MUSP 40991 Recital II

*Music Electives (7 hours)*

Must include three hours of Advanced Music Theory or Advanced Music History

*Education (6 hours)*

EDUC 30123 Educational Psychology  
EDUC 30143 Child and Adolescent Development

*Acoustics and Natural Science (11 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music  
PSYC 10514 Principles of Behavior  
PSYC 10524 Principles of Behavior

**Wind and Percussion Instruments**

The BM in performance-wind and percussion instruments requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-.5 hour each semester)*

Wind Symphony, Symphonic Band, Orchestra or Marching Band-8 semesters

Jazz Ensemble may be counted for a maximum of two semesters

*Studio Performance Lessons (24 hours)*

Lower Division-12 hours

Upper Division-12 hours

*Music Theory (25 hours)*

- 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 and Analysis
- MUSI 30222 Modal Counterpoint
- MUSI 30232 Tonal Counterpoint
- MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

- MUSI 20613 History of Music: Ancient, Medieval, Renaissance
- MUSI 30613 History of Music: Baroque and Classic
- MUSI 30623 History of Music: Romantic and 20th Century
- MUSI 50000 level

*Instrumental Performance Pedagogy (3 hours)*

- MUSI 40033 Instrumental Performance Pedagogy

*Conducting (4 hours)*

- MUSI 20512 Introduction to Conducting
- MUSI 30522 Instrumental Conducting

*Recitals (2 hours)*

- MUSP 30991 Recital I
- MUSP 40991 Recital II

*Music Electives (6 hours)*

Must include three hours of Advanced Music Theory or Advanced Music History

*Acoustics (3 hours)*

- PHYS 20053 Physics of Music and Sound or
- MUSI 303343 Electro-Acoustic Music

**String Instruments**

The BM with a major in performance-string instruments requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total- .5 hour each semester minimum)*

- Symphony Orchestra- 8 semesters (MUSI 10120)
- Chamber Music-4 semesters (MUSI 10080)

**Studio Performance Lessons (24 hours)**

Lower Division-12 hours

Upper Division-12 hours

*Music Theory (25 hours)*

- 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 and Analysis
- MUSI 30222 Modal Counterpoint

- MUSI 30232 Tonal Counterpoint
- MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

- MUSI 20613 History of Music: Ancient, Medieval, Renaissance
- MUSI 30613 History of Music: Baroque and Classic
- MUSI 30623 History of Music: Romantic and 20th Century
- MUSI 50000 level

*Instrumental Performance Pedagogy (3 hours)*

- MUSI 40033 Instrumental Performance Pedagogy

*Conducting (4 hours)*

- MUSI 20512 Introduction to Conducting
- MUSI 30522 Instrumental Conducting

*Recitals (2 hours)*

- MUSP 30991 Recital I
- MUSP 40991 Recital II

*Music Electives (6 hours)*

Must include three hours of Advanced Music Theory or Advanced Music History

*Acoustics (3 hours)*

- PHYS 20053 Physics of Music and Sound or
- MUSI 30343 Electro-Acoustic Music

**Voice**

The BM with a major in performance-voice requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total- .5 hour each semester)*

- Ensemble-4 semesters
- Opera Studio- 4 semesters (MUSI 10100)

*Studio Performance Lessons (20 hours)*

Lower Division-8 hours

Upper Division-12 hours

*Music Theory (23 hours)*

- 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 and Analysis
- MUSI 30222 Modal Counterpoint
- MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

- MUSI 20613 History of Music: Ancient, Medieval, Renaissance
- MUSI 30613 History of Music: Baroque and Classic
- MUSI 30623 History of Music: Romantic and 20th Century
- MUSI 50000 level

*Vocal Pedagogy (3 hours)*

- MUSI 40063 Voice Pedagogy

*Diction (2 hours)*

- MUSI 10171 Diction for Singers
- MUSI 10181 Diction for Singers

*Conducting (4 hours)*

- MUSI 20512 Introduction to Conducting
- MUSI 30512 Choral Conducting

*Recitals (2 hours)*

- MUSP 30991 Recital I
- MUSP 40991 Recital II

*Music Electives (10 hours)*



Must include three hours of Advanced Music Theory or Advanced Music History

*Foreign Language (6 hours)*

GERM 20053 or FREN 20053 or ITAL 20053  
GERM 20063 or FREN 20063 or ITAL 20063

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music

**Music Theory/Composition Major Requirements**

The School of Music offers the BM with a major in music theory/composition. The requirements are outlined below.

**Composition Emphasis**

The BM with a major in music theory/composition with emphasis in composition requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-.5 hour each semester)*

Any Ensemble-8 semesters

*Studio Performance Lessons (8 hours)*

Lower Division-4 hours

Upper Division-4 hours

*Music Theory (32 hours)*

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 and Analysis  
MUSI 30222 Modal Counterpoint  
MUSI 30232 Tonal Counterpoint  
MUSI 30312 Orchestration  
MUSI 30322 Orchestration  
MUSI 30343 Electro-Acoustic Music  
MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
MUSI 30613 History of Music: Baroque and Classic  
MUSI 30623 History of Music: Romantic and 20th Century  
MUSI 50000 level

*Music Composition (14 hours)*

MUSI 20412 Composition I  
MUSI 20422 Composition II  
MUSI 30420 Composition

Minimum of five semesters

*Instrumental Technique (4 hours)*

MUSI 10051 String Technique I  
MUSI 10071 Percussion Technique  
MUSI 30151 Woodwind Technique I  
MUSI 30161 Brass Technique I

*Conducting (4 hours)*

MUSI 20512 Introduction to Conducting  
MUSI 30512 Choral Conducting or  
MUSI 30522 Instrumental Conducting

*Recitals (1 hour)*

MUSP 40991 Recital II

Composers present a recital of their work.

*Music Electives (3 hours)*

*Foreign Language (6 hours)*

GERM 20053 Third Semester College German  
GERM 20063 Fourth Semester College German

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music

**Theory Emphasis**

The BM with a major in music theory/composition with an emphasis in theory requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-.5 hour each semester)*

Any Ensemble-8 semesters

*Studio Performance Lessons (8 hours)*

Lower Division-4 hours

Upper Division-4 hours

*Music Theory (32 hours)*

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 and Analysis  
MUSI 30222 Modal Counterpoint  
MUSI 30232 Tonal Counterpoint  
MUSI 30312 Orchestration  
MUSI 30322 Orchestration  
MUSI 30343 Electro-Acoustic Music  
MUSI 50203 Musical Structure and Style

*Music History (12 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
MUSI 30613 History of Music: Baroque and Classic  
MUSI 30623 History of Music: Romantic and 20th Century  
MUSI 50000 level

*Music Composition (4 hours)*

MUSI 20412 Composition I  
MUSI 20422 Composition II

*Instrumental Technique (4 hours)*

MUSI 10051 String Technique I  
MUSI 10071 Percussion Technique  
MUSI 30151 Woodwind Technique I  
MUSI 30161 Brass Technique I

*Conducting (4 hours)*

MUSI 20512 Introduction to Conducting  
MUSI 30512 Choral Conducting or  
MUSI 30522 Instrumental Conducting

*Recitals (1 hour)*

MUSP 40991 Recital II

Theorists present a research paper or lecture recital.

*Music Electives (13 hours)*

Must include at least six hours upper-division coursework in the either theory or composition.

*Foreign Language (6 hours)*

GERM 20053 Third Semester College German  
GERM 20063 Fourth Semester College German

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or  
MUSI 30343 Electro-Acoustic Music

## Church Music Major Requirements

### University Requirements

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total- .5 hour each semester)*

Choral Ensemble-6 semesters

Any Ensemble-2 semesters

*Studio Performance Lessons (16 hours)*

Choose organ or voice lessons

Lower Division-8 hours

Upper Division-8 hours

*Secondary Instrument Performance Lessons (4 hours)*

Choose organ, voice or piano, whichever is not primary instrument

*Music Theory (22 hours)*

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 and Analysis

MUSI 30222 Modal Counterpoint

MUSI 30232 Tonal Counterpoint

*Music History (12 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque and Classic

MUSI 30623 History of Music: Romantic and 20th Century

MUSI 50423 Choral Literature

*Conducting (4 hours)*

MUSI 20512 Introduction to Conducting

MUSI 30512 Choral Conducting

*Church Music (6 hours)*

MUSI 30713 Service Playing and Repertory

MUSI 30723 Hymnology

*Recitals (2 hours)*

MUSP 30991 Recital I

MUSP 40991 Recital II

*Music Electives (4 hours)*

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or

MUSI 30343 Electro-Acoustic Music

### Religion Requirements

*Introductory Religion (3 hours)*

RELI 10003 Understanding Religion: The Bible

*Church History or Religion and Learning (3 hours)*

Choose three hours from RELI 30323, 30333, 20703 and 30653

*Religion in the Arts (3 hours)*

MUSI 30743

## Music Education Major Requirements

The School of Music offers the BME degree with the following concentrations:

- Instrumental
- Vocal

### Instrumental Concentration

#### University Requirements

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum (39 hour 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 hours total- .5 hour each semester)*

Students with band concentration-8 semesters: Four must be

Marching Band (MUSI 10110); Four remaining may be chosen from Wind Symphony (MUSI 10010), Symphonic Band (MUSI 10210) and Marching Band (10110)

Students with orchestra concentration-8 semesters; Symphony Orchestra (MUSI 10120)

*Studio Performance Lessons (16 hours)*

Lower Division-8 hours

Upper Division-8 hours

*Music Theory (20 hours)*

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 and Analysis

MUSI 30312 Orchestration

*Music History (9 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque and Classic

MUSI 30623 History of Music: Romantic and 20th Century

*Instrumental Techniques (6 hours)*

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 hour)*

MUSI 20051 Class Voice

*Music Education (10 hours)*

MUSI 10511 Introduction to Music Education

MUSI 20611 Field Experience in Music

MUSI 30313 Orchestration

MUSI 30812 Instrumental Organization and Administration

MUSI 30822 Instrumental Organization and Administration

*Conducting (4 hours)*

MUSI 20512 Introduction to Conducting

MUSI 30522 Instrumental Conducting

*Recital (1 hour)*

MUSP 30991 Recital I

*Music Elective (1-2 hours)*

Wind and Percussion, 1 hour; Strings, 2 hours

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or

MUSI 30343 Electro-Acoustic Music

### Education Requirements

*Communication Studies (3 hours)*

Required for admission to the College of Education: Choose from COMM 10123, 20103 and 20133

*ED Psych/Development (6 hours)*

EDUC 30123 Educational Psychology

EDUC 30143 Child and Adolescent Development

*Education Certification (13 hours)*

EDSE 30013 Professional Roles and Responsibilities

EDSP 30603 Study of the Exceptional Student

EDSE 40213 Promoting Literacy in Content Subject

EDSE 50023 Effective Teaching and Classroom Implementation

EDSE 30001 Professional Practice Seminar

*Student Teaching (6 hours)*

EDUC 40966 All-Level Student Teaching

**Vocal Concentration**

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total-5 hour 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 hours)*

Lower Division-8 hours

Upper Division-6 hours

*Music Theory (20 hours)*

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 and Analysis

MUSI 30312 Orchestration

*Music History (9 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque and Classic

MUSI 30623 History of Music: Romantic and 20th Century

*Diction (2 hours)*

MUSI 10171 Diction for Singers

MUSI 10181 Diction for Singers

*Class Guitar (1 hour)*

MUSI 20021 Class Guitar

*Functional Instrumental Technique (1 hour)*

MUSI 10081 Functional Instrumental Technique

*Music Education (10 hours)*

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 and Administration

MUSI 30922 Choral Organization and Administration

*Conducting (4 hours)*

MUSI 20512 Introduction to Conducting

MUSI 30512 Choral Conducting

*Recital (1 hour)*

MUSP 30991 Recital I

*Music Elective (2 hours)*

*Acoustics (3 hours)*

PHYS 20053 Physics of Music and Sound or

MUSI 30343 Electro-Acoustic Music

**Education Requirements**

*Communication Studies (3 hours)*

Required for admission to the College of Education

Choose from COMM 10123, 20103 and 20133

*ED Psych/Development (6 hours)*

EDUC 30123 Educational Psychology

EDUC 30143 Child and Adolescent Development

*Education Certification (13 hours)*

EDSE 30013 Professional Roles and Responsibilities

EDSP 30603 Study of the Exceptional Student

EDSE 40213 Promoting Literacy in Content Subject

EDSE 50023 Effective Teaching and Classroom Implementation

EDSE 30001 Professional Practice Seminar

*Student Teaching (6 hours)*

EDUC 40966: All-Level Student Teaching

**School of Music Bachelor of Arts**

**University Requirements**

*Undergraduate degree (124 hour minimum)*

Some School of Music majors require more than 124 hours to complete. See individual music requirements for details.

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hours total)*

Any Ensemble-4 semesters

*Studio Performance Lessons (12 hours)*

Lower Division-8 hours

Upper Division-4 hours

*Music Theory (16 hours)*

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 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance

MUSI 30613 History of Music: Baroque and Classic

MUSI 30623 History of Music: Romantic and 20th Century

MUSI 50000 level

MUSI 50000 level

*Conducting (2 hours)*

MUSI 20512 Introduction to Conducting

*Music Electives (3 hours)*

Must be advanced level coursework

*Foreign Language (6 hours)*

Students may fulfill this requirement by demonstrating competency at the second semester sophomore level

*General Electives (to complete 124 hour minimum)*

**Music Courses Suggested for the Freshman Year:  
BM, BME and BA**

**Fall**

*Music Theory (4 hours)*

Music Theory 10201

Music Theory 10203

*Lower-Division Studio Lessons (1-3 hours)*

Music Theory/Composition-1 hour

Vocal Performance-2 hours

Music Education -2 hours

Keyboard Performance-3 hours

Instrumental Performance-3 hours

Class Piano 11030

Recital Hour 11000

*Ensemble (.5 hour)*

*TCU CC (6-9 hours)*

**Spring**

*Music Theory (4 hours)*

Music Theory 10211

Music Theory 10213

*Lower-Division Studio Lessons (1-3 hours)*

Music Theory/Composition-1 hour  
 Vocal Performance-2 hours  
 Music Education-2 hours  
 Keyboard Performance-3 hours  
 Instrumental Performance-3 hours  
 Class Piano 11040  
 Recital Hour 11000

*Ensemble (.5 hour)*

*TCU CC (6-9 hours)*

### Music Minor

The minor in music requires a total of 21 hours.

*Studio Performance Lessons (4 hours)*

Lower Division-4 hours

Requires four semesters of successful jury examinations designated to fulfill music minor requirement

*Music Theory (8 hours)*

MUSI 10201 Elementary Ear Training  
 MUSI 10203 Elementary Theory  
 MUSI 10211 Elementary Ear Training  
 MUSI 10213 Elementary Theory

*Music History (9 hours)*

MUSI 20613 History of Music: Ancient, Medieval, Renaissance  
 MUSI 30613 History of Music: Baroque and Classic  
 MUSI 30623 History of Music: Romantic and 20th Century

### Arts Administration Minor - Music

An optional minor in arts administration is offered under the College of Fine Arts.

### School of Music Special Programs

#### Artist Diploma (Pre-Baccalaureate)

The Artist Diploma is a program for the most advanced and gifted 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 appropriate applied studio faculty is required. Admission to the program is allowed only upon the recommendation of the appropriate applied studio 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.

The Artist Diploma (pre-baccalaureate) requires 33 hours total as follows:

#### Studio Performance Lessons

MUSP 40XXX (Upper Division)-26 hours

*Recitals (4 hours):*

MUSP 30991 Recital I  
 MUSP 40971 Diploma Recital  
 MUSP 40981 Diploma Recital  
 MUSP 40991 Recital II

*Chamber Music/Ensemble/Collaborative Piano (3 hours): \**

MUSI 10080/100x0/MUSI 21081

\*Appropriate course determined by student's applied music area; specific ensemble assignment determined upon admission

#### 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 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 Performers Certificate in Piano requires 79 hours total as follows:

*Ensembles (2 hours total- .5 hour each semester)*

Choral Ensemble (MUSI 10030, 10040 or MUSI 10130/10140)-2 semesters

Undergraduate Collaborative Piano (MUSI 10170) or Chamber Music (MUSI 10080) -2 semesters

*Studio Performance Lessons (24 hours)*

Upper Division (MUSP 40210) -24 hours

*Music Theory (20 hours)*

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 and Analysis  
 MUSI 30222 Modal Counterpoint

*Music History (12 hours)*

MUSI 10271 History of Music: Baroque and Classic  
 MUSI 30623 History of Music: Romantic and 20th Century  
 MUSI 50433 Keyboard Literature

*Accompanying (2 hours)*

MUSI 10271 Performers Certificate Collaborative Piano I  
 MUSI 10281 Performers Certificate Collaborative Piano II

*Piano Chamber Music (4 hours)*

MUSI 20082 Piano Chamber Music Performance I  
 MUSI 20182 Piano Chamber Music Performance II

*Piano Repertoire and Performance (4 hours)*

MUSI 20212 Piano Repertoire and Performance I  
 MUSI 40212 Piano Repertoire and Performance II

*Conducting (2 hours)*

MUSI 30522 Instrumental Conducting

*Recitals (3 hours)*

MUSP 30991 Recital I  
 MUSP 40981 Recital II  
 MUSP 40991 Recital III

*Music Electives (6 hours)*

#### Studio Instruction

**Keyboard Performance** majors register for three credit hours each semester of lower- and upper-division study.

**Piano Pedagogy** majors register for two 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 three credit hours each semester of lower- and upper-division study.

**Voice Performance** majors register for two credit hours each semester of lower-division study and three 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 one or two credit hours.

**Music Education** majors register for two credit hours each semester of lower- and upper-division study.

**Music History and Music Theory/Composition** majors register for one 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**

- MUSP 20110 Voice
- MUSP 21100 Secondary Voice (For student not majoring or minoring in voice)

**Keyboard Studies**

- MUSP 20210 Piano
- MUSP 20220 Organ
- MUSP 20230 Jazz Piano
- MUSP 20240 Harpsichord

**Band/Orchestral Instrument 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 20460 Jazz Saxophone
- MUSP 20510 French Horn
- MUSP 20520 Trumpet (Cornet)
- 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 Lessons**

Variable credit. \*1-6 semester hours.

**Vocal Studies**

- MUSP 40110 Voice

**Keyboard Studies**

- MUSP 40210 Piano
- MUSP 40220 Organ
- MUSP 40230 Jazz Piano
- MUSP 40240 Harpsichord

**Band/Orchestral Instrument Studies**

- MUSP 40310 Violin
- MUSP 40320 Viola
- MUSP 40330 Violoncello
- MUSP 40340 Double Bass
- MUSP 40360 Jazz Bass
- MUSP 40350 Viola da Gamba
- MUSP 40410 Flute
- MUSP 40420 Oboe
- MUSP 40430 Clarinet
- MUSP 40440 Saxophone
- MUSP 40450 Bassoon
- MUSP 40460 Jazz Saxophone
- MUSP 40510 French Horn
- MUSP 40520 Trumpet (Cornet)
- 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 (Prerequisite: Junior standing and permission of instructor)
- MUSP 40971 Diploma Recital (Prerequisite: MUSI 30991)
- MUSP 40981 Diploma Recital (Prerequisite: MUSI 40971)
- MUSP 40991 Recital II (Prerequisite: Senior standing and permission of instructor. Students giving a recital must have successfully completed MUSI 30991.)

\*Taking more than three 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 .5 semester hours.

- 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 Studio
- MUSI 10110 Marching Band
- MUSI 10120 Symphony Orchestra
- MUSI 10150 New Music Ensemble
- MUSI 10160 Brass Ensemble
- MUSI 10170 Undergraduate Collaborative Piano
- MUSI 10180 Collegium Musicum
- MUSI 10190 Jazz Ensemble
- MUSI 10210 Symphonic Band
- MUSI 10220 Concert Band
- MUSI 10350 Cello Ensemble
- MUSI 10360 Harp Ensemble

**Music Course Subcategories**

**Music Theory**

- MUSI 10003 Fundamentals of Music Literacy
- 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 20th 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 20th 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 20th 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 Performers Certificate Collaborative Piano I
- MUSI 10281 Performers Certificate Collaborative Piano II
- MUSI 10601 Introduction to Performance for Singers
- 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 20131 Applied Voice Technology Laboratory
- 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 20460 Jazz Saxophone
- 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
- MUSP 40120 Vocal Coaching
- MUSP 40131 Applied Voice Technology Laboratory

*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 40460 Jazz Saxophone
- 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	Diploma Recital
MUSP 40981	Diploma 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	Undergraduate Collaborative Piano
MUSI 10180	Collegium Musicum
MUSI 10190	Jazz Ensemble
MUSI 10210	Symphonic Band
MUSI 10220	Concert Band
MUSI 10350	Cello Ensemble
MUSI 10360	Harp Ensemble

**Music Courses****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.

**FNRT 20903 - Children, Creativity and the Fine Arts**

This multidisciplinary course will provide elementary education, child development and other interested majors with the experiences and tools to design meaningful arts learning experiences for children. Students will spend five weeks in each art content area: visual art, music, and dance. Students will develop their creative capacities in each of these disciplines by examining and critiquing art, creating art and designing elementary art curricula.

**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 - Fundamentals of Music Literacy**

Rudiments of music including notation, intervals, scales, harmony, and form.

**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 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 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 - Undergraduate Collaborative Piano**

Undergraduate Collaborative Piano

**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 - Performers Certificate Collaborative Piano 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 - Performers Certificate Collaborative Piano II**

Continuation of MUSI 10271

**MUSI 10350 - TCU Cello Ensemble**

Study and performance of music for cello ensemble

**MUSI 10360 - TCU Harp Ensemble**

Prerequisites: Instructor's permission required. The study and performance of music for harp 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 10601 - Introduction to Performance for Singers**

Prerequisites: Acceptance in Bachelor of Music Education, Bachelor of Music, or Bachelor of Arts degree plan in Voice. A systematic introduction to the multiple skill sets required of the effective vocal performer and exploration of artistic and practical aspects of the performer's world.

**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 11021 - Introduction to Piano for the Non-Musician**

Introduction to Piano for the Non-Musician is a laboratory class which meets twice weekly, designed to teach beginning piano to the college-age student. No previous experience with music or piano is necessary. Classes meet in a piano laboratory setting. The study of piano follows the School of Music mission to affirm music as an integral part of a classic liberal arts education. Not available to music majors or minors for degree credit.

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**MUSI 21030 - Class Piano**

Prerequisite: MUSI 11040. Continuation of MUSI 11040.

**MUSI 21040 - Class Piano**

Prerequisite: MUSI 21030. Continuation of MUSI 21030.

**MUSI 21081 - Artist Diploma Pre-Baccalaureate 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: Music major or permission of instructor. An investigation of basic acoustic and electronic principles, psychoacoustics, audio recording principles and techniques, the function and operation of music studio equipment including microphones, digital audio workstations, audio editing and effects software, 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 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, audition, 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 30990 - International Residential Study**  
This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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**  
Prerequisites: MUSI 30202. 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 - Survey of Opera 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 - Survey of 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 - Artist Diploma Post-Baccalaureate Collaborative**

**Piano**  
Prerequisites: Acceptance to Artist Diploma Program, baccalaureate degree. Collaborative Piano course for the Artist Diploma Program in the School of Music.

**Music Performance Courses****MUSP 20110 - Voice**

Voice

**MUSP 20130 - Applied Voice Technology Lab**

Prerequisites: Concurrent enrollment in MUSP 20110. This elective course will further the development of vocal technique through the application of measurable analyses to the coordination of vocal-fold vibration, airflow and resonance factors resulting in the desired chiaroscuro tone. The Kay-eletrics Computerized Speech Lab, the Voce Vista program (in conjunction with electroglottography), and recording and video equipment will be used. In addition to analyzing their own singing in the vocal laboratory, students may examine recordings from their studio lessons, and compare technical strategies of recorded professional singers. All work will be coordinated with the studio teacher.

**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 20460 - Jazz Saxophone**

Prerequisite: permission of instructor. The study and performance of saxophone in the jazz style to include interpreting the written page and improvisation. Emphasis will be placed on developing an authentic sound, style and interpretation of jazz repertoire dating from the 1940's to the present. Instruction consists of one on one interaction between faculty and student and is offered for one or two credit hours.

**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 40120 - Vocal Coaching**

Prerequisites: all Music majors who have been accepted for voice study in MUSP 20110 or 40110; concurrent enrollment in MUSP 40110. 1 or 2 credits. Individual instruction providing an introduction to professional methods used in opera companies and musical theatre for aspiring, professional singers. Students will concentrate on in-depth study of details of text and style, ensuring authentic sounding diction and appropriate stylistic interpretation. Repertoire studied will be that assigned by the studio teacher along with repertoire being prepared for performance on campus and off. Course may be repeated for credit.

**MUSP 40130 - Applied Voice Technology Lab**

Prerequisites: Concurrent enrollment in MUSP 40110. This elective course will further the development of vocal technique through the application of measurable analyses to the coordination of vocal-fold vibration, airflow and resonance factors resulting in the desired chiaroscuro tone. The Kay-eletrics Computerized Speech Lab, the Voce Vista program (in conjunction with electroglottography), and recording and video equipment will be used. In addition to analyzing their own singing in the vocal laboratory, students may examine recordings from their studio lessons, and compare technical strategies of recorded professional singers. All work will be coordinated with the studio teacher.

**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 40460 - Jazz Saxophone**

Prerequisites: Completion of 4 semesters of MUSP 20460, or permission of instructor. The continuation of study and performance of saxophone in the jazz style to include interpreting the written page and improvisation. Emphasis will be placed on maintaining an authentic sound, style and interpretation of jazz repertoire dating from the 1940's to the present. Instruction consists of one on one interaction between faculty member and student and is offered for one or two credit hours.

**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 - Diploma Recital**

Diploma Recital

**MUSP 40981 - Diploma Recital**

Diploma Recital

**MUSP 40991 - Recital II**

Recital II

**MUSP 50210 - Artist Diploma 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.

## Theatre

The Department of Theatre offers two degrees in theatre: the Bachelor of Fine Arts (BFA) with a major in theatre and an emphasis chosen from acting, design, musical theatre, production or theatre studies; and the 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.) Admission to the BFA program is only available through audition or portfolio review by the theatre faculty. Admission to the BA program is available to any TCU student.

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.

### Honors Program

Theatre majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in THEA 31003 in their junior year and THEA 41003 during the fall semester of their senior year.

### Departmental Facilities

The Department of Theatre is housed in Ed Landreth Hall and the Walsh Center Complex at TCU. Facilities include the Jerita Foley Buschman Theatre, a 175-seat proscenium arch theatre and the 200-seat Spencer and Marlene Hays Theatre, with a thrust stage. The flexible Studio Theatre (75-100 seats) 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 School for Classical & Contemporary 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 academic courses 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 students' backgrounds and prepares them for advanced study. Any student on academic probation is not 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.

### Theatre, BFA Major Requirements

The School of Fine Arts offers the BFA with a major in theatre with an emphasis on the following:

- Acting
- Design
- Musical Theatre
- Production
- Theatre Studies

The requirements for each program are outlined below.

**Acting Emphasis**

The BFA with a major in theatre and emphasis in acting requires:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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: 83 hours**

*Theatre Courses (41 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)
- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31343 Directing (3)
- THEA 41002 Professional Seminar (2)
- THEA 41103 20th-Century Theatre (3)

Choose one:

- THEA 31123 Period Styles (3)
- THEA 41113 Costume History (3)
- THEA 41143 Religious Drama (3)
- THEA 41153 Social Values Drama (3)

*Production Courses (8 hours)*

- THEA 10901 Theatre Production (1) or
- THEA 30901 Advanced Theatre Production (1)

Eight semester hours are required; these courses may be repeated for credit.

*Acting Coursework (34 hours)*

- THEA 21312 Auditioning (2)
- THEA 21304 Acting II: Realism (4)
- THEA 21323 Stage Movement (3)
- THEA 21334 Voice and Speech (4)
- THEA 31303 Acting III: Period Styles (3)
- THEA 31313 Advanced Stage Movement (3)
- THEA 31323 Advanced Voice and Speech (3)
- THEA 31333 Acting Shakespeare (3)
- THEA 41303 Acting IV: Non-Realism (3)
- THEA 41323 Dialects (3)

Choose one:

- THEA 41313 Stage Combat (3)
- THEA 41333 The Alexander Technique (3)

**Design Emphasis**

The BFA with a major in theatre and an emphasis in design requires:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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: 85 hours**

*Theatre Courses (41 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)
- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31343 Directing (3)
- THEA 41002 Professional Seminar (2)

- THEA 41103 20th-Century Theatre (3)

Choose one:

- THEA 31123 Period Styles (3)
- THEA 41113 Costume History (3)
- THEA 41143 Religious Drama (3)
- THEA 41153 Social Values Drama (3)

*Production Courses (8 hours)*

- THEA 10901 Theatre Production (1) or
- THEA 30901 Advanced Theatre Production (1)

Eight semester hours are required; these courses may be repeated for credit

*Design Coursework (36 hours)*

- ART 10103 Drawing I (3)
- THEA 21203 Stage Management (3)
- THEA 21403 Rendering (3)
- THEA 31203 Computer Graphics for Theatre (3)
- THEA 31213 Scene Painting (3)
- THEA 31403 Scene Design (3)
- THEA 31413 Costume Design (3)
- THEA 31423 Sound Design (3)
- THEA 31433 Props Design (3)
- THEA 41413 Advanced Stage Lighting (3)
- THEA 40100 Design/Technical Workshop (6 credits required; may be repeated for credit)

**Musical Theatre Emphasis**

The BFA with a major in theatre and an emphasis in musical theatre requires:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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: 87 hours**

*Theatre Courses (38 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)
- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31343 Directing (3)
- THEA 41002 Professional Seminar (2)
- THEA 41103 20th-Century Theatre (3)

*Production Courses (8 hours)*

- THEA 10901 Theatre Production (1) or
- THEA 30901 Advanced Theatre Production (1)

Eight semester hours are required; these courses may be repeated for credit.

*Musical Theatre Coursework (35 hours)*

- THEA 11501 Musical Theatre Performance Lab (1)
- Two semester hours are required; this course may be repeated for credit.

- THEA 21304 Acting II: Realism (4)
  - THEA 21312 Auditioning (2)
  - THEA 21323 Stage Movement (3)
  - THEA 21334 Voice and Speech (4)
  - THEA 21501 Musical Theatre Performance Lab II (1)
- Two semester hours are required; this course may be repeated for credit.

- THEA 31502 Musical Theatre Dance (2)
- Six semester hours are required; this course may be repeated for credit.

- THEA 31503 Musical Theatre Theory (3)
- THEA 41133 Musical Theatre History (3)
- THEA 41503 Musical Theatre Performance (3)

THEA 41513 Advanced Musical Theatre Performance (3)  
*Private Voice Lessons (6 hours)*  
 MUSP 21100 Voice I (1)  
 Six semester hours are required; this course may be repeated for credit.

**Production Emphasis**

The BFA with a major in theatre and emphasis in production emphasis requires:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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: 85 hours**

*Theatre Courses (41 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)
- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31343 Directing (3)
- THEA 41002 Professional Seminar (2)
- THEA 41103 20th-Century Theatre (3)

Choose one:

- THEA 31123 Period Styles (3)
- THEA 41113 Costume History (3)
- THEA 41143 Religious Drama (3)
- THEA 41153 Social Values Drama (3)

*Production Courses (8 hours)*

- THEA 10901 Theatre Production (1) *or*
- THEA 30901 Advanced Theatre Production (1)

Eight semester hours are required; these course can be repeated for credit.

*Production Coursework (36 hours)*

- ART 10103 Drawing
- THEA 21203 Stage Management (3)
- THEA 31203 Computer Graphics for Theatre (3)
- THEA 31213 Stage Painting (3)
- THEA 31223 Costume Technology (3)
- THEA 31423 Sound Design (3)
- THEA 31433 Props Design (3)
- THEA 41203 Advanced Stagecraft (3)
- THEA 41213 Technical Direction (3)
- THEA 41413 Advanced Stage Lighting (3)
- THEA 40100 Design/Technical Workshop (3)

Six semester hours are required; this course may be repeated for credit.

**Theatre Studies Emphasis**

The BFA with a major in theatre and emphasis in theatre studies requires the following:

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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: 84 hours**

*Theatre Courses (47 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)

- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31343 Directing (3)
- THEA 41002 Professional Seminar (2)
- THEA 41103 20th-Century Theatre (3)

Choose three:

- THEA 31123 Period Styles (3)
- THEA 41113 Costume History (3)
- THEA 41143 Religious Drama (3)
- THEA 41153 Social Values Drama (3)

*Production Courses (8 hours)*

- THEA 10901 Theatre Production (1)
- THEA 30901 Advanced Theatre Production (1)

Eight semester hours are required; these courses may be repeated for credit.

*Additional Theatre Coursework (29 hours)*

- THEA 21203 Stage Management (3)
- THEA 21304 Acting II: Realism (4)
- THEA 21323 Stage Movement (3)
- THEA 21334 Voice and Speech (4)
- THEA 21403 Rendering (3)
- THEA 31403 Scene Design (3)
- THEA 31413 Costume Design (3)
- THEA 31423 Sound Design (3)
- THEA 31433 Props Design (3)

**Theatre, BA Major Requirements**

**University Requirements**

*Undergraduate degree (124 hour minimum)*

*Upper-level coursework taken at TCU (42 hour minimum)*

*TCU Core Curriculum (39 hour 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 hour minimum)*

**Major Requirements: 46 hours**

*Theatre Courses (42 hours)*

- THEA 11103 Art of the Theatre (3)
- THEA 11203 Stagecraft (3)
- THEA 11213 Theatre Graphics (3)
- THEA 11223 Stage Makeup (3)
- THEA 11233 Practical Costuming (3)
- THEA 11303 Acting I: Introduction (3)
- THEA 21103 Script Analysis (3)
- THEA 21413 Stage Lighting (3)
- THEA 31103 Theatre History I (3)
- THEA 31113 Theatre History II (3)
- THEA 31403 Scene Design (3)
- THEA 31343 Directing (3)
- THEA 41103 20th-Century Theatre (3)

Choose one:

- THEA 31123 Period Styles (3)
- THEA 41113 Costume History (3)
- THEA 41143 Religious Drama (3)
- THEA 41153 Social Values Drama (3)

*Production Courses (4 hours)*

- THEA 10901 Theatre Production *or*
- THEA 30901 Advanced Theatre Production

Four semester hours are required; these courses may be repeated for credit.

*Foreign Language*

Six hours or demonstrated proficiency at the second-semester, sophomore level is required. See Modern Language Major catalog listing on page 151 for additional information.

**Theatre Minor**

The minor in theatre requires 18 hours of coursework. A student seeking the minor must have an adviser in the theatre department.

*Theatre Courses (15 hours)*

THEA 11103	Art of the Theatre (3)
THEA 11203	Stagecraft (3)
THEA 11303	Acting I: Introduction (3)
THEA 31103	Theatre History 1 (3) <i>or</i>
THEA 31113	Theatre History II (3) <i>or</i>
THEA 41113	Costume History (3)

**Production Courses (3 hours)**

THEA 10901	Theatre Production (1)
THEA 30901	Advanced Theatre Production (1)

Three semester hours are required; these courses may be repeated for credit

**Arts Administration Minor - Theatre**

An optional minor in arts administration is offered under the College of Fine Arts.

**Theatre 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.

**Theatre Teacher Certification**

Teacher certification on the secondary level is available under the BA degree program. No second teaching field is required.

**Education Requirements (31 hours)**

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 and 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 hours);
EDUC 40966	may be used to fulfill the Student Teaching requirement.

**Theatre Courses for the Freshman Year**

For students working toward the BFA with a major in theatre, *emphasis in acting, musical theatre or theatre studies*:

**Fall**

THEA 11103	Art of the Theatre (3)
THEA 11303	Acting I: Introduction (3)
THEA 10901	Theatre Production (1)
THEA 11203	Stagecraft (3) <i>or</i>
THEA 11213	Theatre Graphics (3)

Plus TCU Core Curriculum courses

**Spring**

THEA 10901	Theatre Production (1)
THEA 21323	Stage Movement (3)
THEA 11203	Stagecraft (3) <i>or</i>
THEA 11213	Theatre Graphics (3)

Plus TCU Core Curriculum courses

For students working toward the BFA with a major in theatre, *emphasis in design*:

**Fall**

THEA 11103	Art of Theatre (3)
THEA 11203	Stagecraft (3)
THEA 11213	Theatre Graphics (3)
THEA 10901	Theatre Production (1)

Plus TCU Core Curriculum courses

**Spring**

THEA 10103	Drawing I (3)
THEA 10901	Theatre Production (1)
THEA 11303	Acting I: Introduction (3)

Plus TCU Core Curriculum courses

For students working toward the BFA with a major in theatre, *emphasis in production*:

**Fall**

THEA 11103	Art of the Theatre (3)
THEA 11203	Stagecraft (3)
THEA 11213	Theatre Graphics (3)
THEA 10901	Theatre Production (1)

Plus TCU Core Curriculum courses

**Spring**

THEA 10901	Theatre Production (1)
THEA 11233	Practical Costuming (3)
THEA 11303	Acting I: Introduction (3)

Plus TCU Core Curriculum courses

For students working toward the *BA with a major in theatre*:

**Fall**

THEA 11103	Art of the Theatre (3)
THEA 11203	Stagecraft (3) <i>or</i>
THEA 11213	Theatre Graphics (3)

**Spring**

THEA 11303	Acting I: Introduction (3)
THEA 11203	Stagecraft (3) <i>or</i>
THEA 11213	Theatre Graphics (3)

**Theatre Courses****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.

**FNRT 20903 - Children, Creativity and the Fine Arts**

This multidisciplinary course will provide elementary education, child development and other interested majors with the experiences and tools to design meaningful arts learning experiences for children. Students will spend five weeks in each art content area: visual art, music, and dance. Students will develop their creative capacities in each of these disciplines by examining and critiquing art, creating art and designing elementary art curricula.

**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****THEA 10433 - Freshman Seminar in Theatre: Fort Worth Theatre Exploration**

Students will explore the varied culture of professional and community theatres in the Fort Worth area.

**THEA 10901 - Theatre Production**

Practical experience for freshmen and sophomores in all areas of theatre production, related directly to Theatre TCU productions. May be repeated for credit.

**THEA 10911 - Theatre Performance**

Prerequisite: Permission of the instructor. Practical experience in acting for freshmen and sophomores related directly to roles in Theatre TCU productions. May be repeated for credit.

**THEA 11003 - Survey of Theatre**

An introductory course in theatre focusing on production, performance, dramatic literature and history.

**THEA 11013 - Survey of Musical Theatre**

An introductory course in musical theatre focusing on production, performance, musical theatre literature and history.

**THEA 11103 - Art of the Theatre**

An introductory course for theatre majors and minors exploring the various components of theatre theory and production.

**THEA 11203 - Stagecraft**

An introductory course in technical theatre focusing on theory and practice of scenery construction, rigging, and painting. A lab is required for this class.

**THEA 11213 - Theatre Graphics**

An introductory course in technical theatre focusing on reading and producing ground plans, elevations, section drawings, light plots, figure drawings, and perspective drawings. A lab is required for this class.

**THEA 11223 - Stage Makeup**

Prerequisites: open only to theatre majors and minors. A laboratory course in stage makeup focusing on basic techniques and special effects.

**THEA 11233 - Practical Costuming**

An introductory course in costume construction focusing on sewing, fabrics, painting and dyeing, accessories, and the procedures for theatrical costuming. A lab is required for this class.

**THEA 11303 - Acting I: Introduction**

An introductory course in acting focusing on basic techniques and solo assignments.

**THEA 11501 - Musical Theatre Performance Lab I**

Prerequisites: permission of instructor. An introductory course in group singing of Musical Theatre repertoire to acquaint students with technique and literature. This course may be repeated for credit.

**THEA 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**THEA 21103 - 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 21203 - Stage Management**

Prerequisite: THEA 11203. An intermediate course in stage management focusing on theory, preparation and practice.

**THEA 21304 - Acting II: Realism**

Prerequisite: THEA 11303. An intermediate course in acting focusing on realism and scene work with other actors.

**THEA 21312 - Auditioning**

A performance course for actors in which they study and practice the process of auditioning for the theatre, using monologues, scenes, cold readings, and songs.

**THEA 21323 - Stage Movement**

Prerequisite: Open only theatre majors and minors. A laboratory course focusing on analysis and development of physical skills for actors.

**THEA 21334 - Voice and Speech**

Prerequisite: Open only to theatre majors and minors. A laboratory course focusing on analysis and development of vocal skills for actors.

**THEA 21403 - Rendering**

Prerequisites: THEA 11213. An intermediate course in creating scenery and costume design drawings.

**THEA 21413 - Stage Lighting**

An introductory course in stage lighting focusing on design and practice.

**THEA 21501 - Musical Theatre Performance Lab II**

Prerequisites: Permission of instructor. An intermediate course in group singing of Musical Theatre repertoire to acquaint students with technique and literature. This course may be repeated for credit.

**THEA 30901 - Advanced Theatre Production**

Practical experience for juniors and seniors in all areas of theatre production, related directly to Theatre TCU productions. May be repeated for credit.

**THEA 30911 - Advanced Theatre Performance**

Prerequisite: Permission of the instructor. Practical experience in acting for juniors and seniors, related directly to roles in Theatre TCU productions. May be repeated for credit.

**THEA 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**THEA 31003 - Junior Honors Seminar**

Prerequisite: permission of instructor. Individual honors projects for junior theatre students who are enrolled in the TCU Honors Program.

**THEA 31103 - Theatre History I**

History of western theatre from its origins in ancient Greece to the Renaissance.

**THEA 31113 - Theatre History II**

History of western theatre from the Restoration through the 19th Century.

**THEA 31123 - Period Styles**

A theatre history course focusing on the cultures (art, music, architecture, religion) of those historical periods which figure prominently in Theatre: classical Greece and Rome, Gothic/Renaissance/Elizabethan, 17th, 18th and 19th Centuries, and early and late 20th Century.

**THEA 31133 - Playwriting**

Study and practice in the art of writing plays for the theatre, including dramatic structure, dialogue and characterization.

**THEA 31203 - Computer Graphics for Theatre**

Prerequisite: THEA 11213 or permission of instructor. An advanced technical theatre course focusing on computer technology for design.

**THEA 31213 - Scene Painting**

Prerequisite: THEA 11203 or permission of instructor. An advanced course in technical theatre focusing on painting scenery for the stage.

**THEA 31223 - Costume Technology**

Prerequisites: THEA 10233. An advanced production course in costume construction and technology techniques including pattern drafting, draping, millinery, and other specialties.

**THEA 31303 - Acting III: Performance Styles**

Prerequisite: THEA 21304 or permission of instructor. An advanced course in acting focusing on period performance styles.

**THEA 31313 - Advanced Stage Movement**

Prerequisites: THEA 21323 or permission of instructor. An advanced laboratory course focusing on physical skills for actors.

**THEA 31323 - Advanced Voice and Speech**

Prerequisite: THEA 21334 or permission of instructor. An advanced laboratory course focusing on vocal skills for actors.

**THEA 31333 - Acting Shakespeare**

Prerequisites: THEA 20304, Acting II: Realism. An advanced acting styles course focusing exclusively on the performance of Shakespeare. Students will work on sonnets, monologues and scenes.

**THEA 31343 - Directing**

Prerequisite: THEA 21304 or permission of instructor. An advanced laboratory course focusing on directing skills including script analysis, conceptualization, and staging resulting in a realized directing project.

**THEA 31403 - Scene Design**

Prerequisite: THEA 11213 or permission of instructor. An advanced course in technical theatre focusing on scene design.

**THEA 31413 - Costume Design**

Prerequisite: THEA 11213 or permission of instructor. An advanced course in technical theatre focusing on costume design.

**THEA 31423 - Sound Design**

Prerequisites: THEA 11203:Stagecraft. A course in designing sound for theatre productions, including the use of sound effects, music, special effects, microphones and mixing sound for the live theatre.



**THEA 31433 - Props Design**

Prerequisite: THEA 11203: Stagecraft. A course in designing props for theatre productions, including the various methods of acquiring props, such as construction, rental, pulling from stock, modification, buying, and borrowing.

**THEA 31502 - Musical Theatre Dance**

A laboratory dance class in musical theatre styles. Specific styles may vary by semester. May be repeated for credit.

**THEA 31503 - Musical Theatre Theory**

Prerequisites: permission of instructor. A course in music theory specifically designed for the issues most commonly faced in Musical Theatre.

**THEA 31900 - Theatre Internship**

Prerequisite: Permission of instructor. Off-campus theater internships. 1-3 credits. May be repeated for credit.

**THEA 34990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**THEA 40100 - Design/Technical Workshop**

Prerequisite: permission of instructor. An individual study course in technical theatre for students with advanced design or technical assignments on Theatre TCU productions. 1-3 credits. May be repeated for credit.

**THEA 41002 - Professional Seminar**

Prerequisite: permission of instructor. A course for BFA Theatre majors in which they consider and explore what kinds of professional theatre careers or graduate school training they intend to pursue; students prepare themselves for professional careers by developing such items as resumes, portfolios, audition material, and headshots.

**THEA 41003 - Senior Honors Seminar**

Prerequisites: Permission of instructor. Individual honors projects for senior theatre students who are enrolled in the TCU Honors Program.

**THEA 41103 - 20th Century Theatre**

A theatre history course concerning the major movements and dramatic literature of the 20th century, including realism, naturalism, expressionism, and absurdism.

**THEA 41113 - History of Costume**

An advanced lecture course covering the major historical periods of Western dress, focusing on the stage.

**THEA 41123 - Modern Trends in Theatre**

Prerequisite: Permission of instructor. An experiential theatre course, usually taught in London. Students attend theatre productions and meet with theatre professionals as well as visit other cultural sites.

**THEA 41133 - Musical Theatre History**

A theatre history course focusing on Musical Theatre in the 19th and 20th centuries, including the development of the form, major artists who contributed to it, and seminal musical theatre works.

**THEA 41143 - Religious Drama**

A course in dramatic literature in which students will study more than a dozen plays that examine the religious traditions and the church in western culture.

**THEA 41153 - Social Values Drama**

A course in dramatic literature in which students will study more than a dozen plays that examine ethical decision-making in western culture.

**THEA 41190 - TCU in London**

Prerequisite: Permission of instructor. A directed study in theatre occurring in London. 1-3 credits. May be repeated for credit.

**THEA 41203 - Advanced Stagecraft**

Prerequisite: THEA 11203 or permission of instructor. An advanced course in technical theatre focusing on scenic construction and rigging.

**THEA 41213 - Technical Direction**

An advanced course in Technical Direction for the theatre, including the responsibilities of coordinating scenery, costumes, lighting, props, sound and special effects. Students will learn techniques of budgeting, purchasing, scheduling, and creating appropriate technical drawings.

**THEA 41303 - Acting IV: Non-Realism**

Prerequisite: THEA 31303 or permission of instructor. An advanced course in acting focusing on non-realistic styles.

**THEA 41313 - Stage Combat**

Prerequisite: THEA 21323 or permission of instructor. An advanced acting course focusing on performance combat including unarmed combat, quarterstaff, and rapier and dagger sword work.

**THEA 41323 - Dialects**

Prerequisite: THEA 21304: Acting II: Realism. An advanced acting course focusing on the International Phonetic Alphabet, and the creation of the most commonly used stage dialects, including British, Cockney, Irish, and Brooklyn.

**THEA 41333 - The Alexander Technique**

Prerequisite: THEA 21323: Stage Movement. An advanced acting course focusing on the texts and techniques of F. Mathias Alexander, designed to help students reach the goal of dramatic characterizations created through a free and expressive physical and vocal instrument.

**THEA 41413 - Advanced Stage Lighting**

Prerequisite: THEA 21413. An advanced course in technical theatre focusing on aesthetics and special effects in stage lighting.

**THEA 41503 - Musical Theatre Performance**

Prerequisite: THEA 21304. An intermediate acting course focusing on the integration of singing and acting in performance.

**THEA 41513 - Advanced Musical Theatre Performance**

Prerequisites: THEA 41503 or permission of instructor. An advanced acting course focusing on the integration of singing and acting in performance.

**THEA 41900 - Individual Study in Theatre**

Prerequisite: Permission of instructor. Independent theatre research or performance projects 1-3 credits. May be repeated for credit.

**THEA 41910 - Special Topics in Theatre**

Prerequisites: Permission of instructor. A variety of special or one-time topics in Theatre may be covered in this class, and the format may vary including lecture, performance, activity, or research courses. 1-3 semester hours. This course may be repeated for credit.

**THEA 41920 - Directed Studies in Acting**

Prerequisite: Permission of instructor. A directed study in theatre focusing on projects in acting. 1-6 credits. May be repeated for credit.

**THEA 41930 - Directed Studies in Directing**

Prerequisite: Permission of instructor. A directed study in theatre focusing on projects in directing. 1-6 credits. May be repeated for credit.

**THEA 41940 - Directed Studies in Scenic Design**

Prerequisite: Permission of instructor. A directed study in theatre focusing on projects in scenic design. 1-6 credits. May be repeated for credit.

**THEA 41950 - Directed Studies in Costume Design**

Prerequisite: Permission of instructor. A directed study in theatre focusing on projects in costume design. 1-6 credits. May be repeated for credit.

**THEA 41960 - Directed Studies in Stage Lighting Design**

Prerequisite: permission of instructor. A directed study in theatre focusing on projects in lighting design. 1-6 credits. May be repeated for credit.

**THEA 41970 - Directed Studies in Theatre Production**

Prerequisites: permission of instructor. A directed study in theatre focusing on projects in production including stage management, technical direction, carpentry, costume technology, electrics, and other production topics.

# AddRan College of Liberal Arts

Texas Christian 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 of Liberal Arts 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 21st 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 College 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 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 advisers. Students are expected to meet with their advisers 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 adviser prior to registering. Names of advisers are available through each of the departments. All freshmen and pre-majors are advised through the Center for Academic Services.

## AddRan College Organization

AddRan College is organized into 10 departments, two interdepartmental programs, two units of Reserve Officers' Training Corps and one academic service unit.

### Departments

Criminal Justice  
Economics  
English and Geography  
History  
Modern Languages and Literatures  
Philosophy  
Political Science  
Religion  
Sociology and Anthropology  
Spanish and Hispanic Studies

### Cooperative Programs

Master's in Education (3/2 Program with College of Education)

### Reserve Officers' Training Corps

Aerospace Studies, Air Force ROTC  
Military Science, Army ROTC

### Academic Service Unit

English Language Center

### Residence Study Abroad

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 are in the Sociology Building. Religion is in Theodore Beasley Hall and economics is located in the Economics Building.

## AddRan College Degree Programs

AddRan College administers programs that lead to the Bachelor of Arts (BA) and Bachelor of Science (BS) degrees.

The Bachelor of Arts (BA) degree is offered with majors in:

- Anthropology
- Economics
- English
- Geography
- History
- International Economics
- Modern Language Studies
- Philosophy
- Political Science
- Religion
- Sociology
- Spanish
- Writing

The Bachelor of Science (BS) degree is offered with majors in:

- Economics
- Political Science

### Professions Program

The Bachelor of Science (BS) in Criminal Justice

### Multiple Majors

Students with a first major in AddRan College may declare an additional major in lieu of or in addition to a minor. The additional major may be selected from the other colleges/schools at TCU. Students seeking an additional major in a school/college 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/college may select additional majors from those available in AddRan with the approval of the dean of the school/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 BA, must satisfy the foreign language requirement described below.

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 associated with any particular major, as well as all associated requirements.

### Pass/No-Credit Option

Students may take up to two courses (eight hours maximum) on a Pass/No-Credit (P/NC) basis. No course applied to the student's major, minor or associated requirements may be taken on the P/NC basis. Courses offered only with the P/NC grade will not be counted toward this limit on the number P/NC hours. 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 TCU must receive approval of such courses through the office of the dean of AddRan College before enrolling in them.

## AddRan Interdisciplinary Courses

### 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.

### **ADRN 30103 - Understanding West Africa:Ghana**

This course is aimed at introducing participants to the cultural and socio-political development of Ghana through a four-week intensive, interdisciplinary study and travel-abroad experience in this West African nation. It is expected that participants will come away with a sense of the vast differences manifest in the way human societies work and, at the same time, develop a sincere respect for these differences. Course is open to students of all majors. Instructor's permission is required.

## **Addran Bachelor of Arts Degree**

Students pursuing a program leading to a BA 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 above and a minor chosen in consultation with the student's adviser. The specific number of hours required for the major and minor may be found in the appropriate section of this catalog.

A maximum of 36 semester hours in any one subject field may be counted toward the 124-semester-hour minimum required for the BA degree. ENGL 10803 or 10833 and ENGL 20803 are excluded from the 36-semester-hour maximum for students majoring in English.

In addition, students must complete the TCU Core Curriculum described elsewhere in this catalog.

#### **Notes:**

1. No more than eight 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.
3. No course may be applied to more than one set of major or minor requirements without the express approval of the associate dean of AddRan College.

### **Foreign Language Requirement**

All students pursuing the BA degree in AddRan College must demonstrate competency in a foreign language equivalent to the completion of one of the following:

CHIN 20063	Intermediate Chinese II
FREN 20063	Fourth Semester College French
GRMN 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 Admission. 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.

## **AddRan Bachelor of Science Degree**

Students pursuing a program leading to a BS 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 BS degree above. Specific requirements of each major are to be found in the appropriate section of this catalog. 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 catalog.

#### **Notes:**

1. No more than eight physical education 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.
3. No course may be applied to more than one set of major or minor requirements without the express approval of the associate dean of AddRan College.

### **Other Bachelor of Science Degrees**

All policies relevant to the BS degree also apply to the degree of BS in Criminal Justice.

## **AddRan Minors**

The following is a list of approved minors in AddRan College:

- Asian Studies
- Anthropology
- British and Colonial/Post-Colonial Studies
- Classical Studies
- Criminal Justice
- Economics
- English
- French
- Geography
- German
- History
- Italian
- Japanese
- Latino/a Studies
- Philosophy
- Political Science
- Religion
- Sociology
- Spanish
- Urban Studies
- Women's Studies
- Writing

In addition, minors are accepted from the other colleges/schools at TCU. Students seeking a minor from the College of Education must obtain the approval of the office of the dean of the College of Education.

## **Aerospace Studies**

The U.S. 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, 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 Professional Officer Course leads to a commission in the U.S. 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; students should see their academic adviser for confirmation. Students who enroll in aerospace studies classes must attend both classroom and leadership laboratory classes at TCU, 2800 W. Lowden St., Fort Worth, Texas. The laboratory classes give students first-hand experience in developing leadership and organizational skills while preparing them for enrollment in the Professional Officer Course.

### **Aerospace Studies Program Requirements**

#### **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 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 U.S. 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 and pass the Air Force Officer Qualifying Test, a physical examination and a physical fitness test 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.

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. The telephone number is 817.257.7461, or call 1-800-TCU-FROG and ask for Air Force ROTC.

### Aerospace Studies General Qualifications

A student enrolling in AFROTC must:

- Be a full-time student (12 semester hours or more; nine hours for postgraduate students);
- Be a U.S. citizen;
- Be in good physical condition/health;
- Have good moral character; and
- Be no older than 34 years old upon commissioning.

### AFROTC 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. Drill team, honor guard and Arnold Air Honor Society are just a few social outlets for the cadets. Summer opportunities for cadets can include a paid visit to a military installation for three weeks, freefall parachuting, combat survival training, flight nurse shadowing and cadet training assistant duty at field training.

### AFROTC Scholarships

Air Force ROTC offers four, three, two and one-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 three 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 four-year scholarship no later than December 1 of their high school senior year. Scholarship applications for college students are made through the Department of Aerospace Studies in the spring semester. Scholarship applicants are selected using the whole-person concept, which includes objective factors (i.e., GPA 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 1750 or ACT of 27, 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.

### AFROTC Commissioning

Upon successful completion of the AFROTC Program and baccalaureate or graduate degree, a student is commissioned a second lieutenant in the U.S. Air Force. Newly commissioned officers can normally expect to be called into active service within 180 days from the date of their commissioning. In some instances, active service can be delayed by students continuing in post-baccalaureate degree programs.

### Aerospace Studies Courses

#### 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 L Labs 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. L Labs 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 fellowship experiences.

#### **AEST 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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**

The anthropology major is administered by the Department of Sociology, Criminal Justice and Anthropology. It is available as a major on the BA degree and a minor on both the BA and BS 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 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 evolution, 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, 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 related to 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.

### **Anthropology Major Requirements**

The BA with a major in anthropology requires 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	Introduction to 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. Courses taken through other anthropology programs may be accepted toward the major or minor with approval of the TCU anthropology faculty.

### **Anthropology Minor**

A minor in anthropology requires 18 semester hours of anthropology courses, including at least six hours from among the following:

ANTH 20613	Introduction to Physical Anthropology
ANTH 20623	Introduction to Cultural Anthropology
ANTH 20633	Introduction to Archaeology
ANTH 20643	Language and Culture

### **Anthropology Courses**

#### **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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**ANTH 30003 - Junior Honors Seminar in Anthropology**

Prerequisite: Permission of Instructor.

**ANTH 30233 - Sustainability: Environmental, Social & Economic Issues**

The purpose of this course is to introduce students to the concept of sustainability from a multidisciplinary perspective. Sustainability includes a focus on the environment, social justice issues, and economic development that provides the basic needs for sustaining an acceptable quality of life. A focus on the global implications will be stressed and students will explore the connections between sustainability and citizenship and social values.

**ANTH 30333 - Mexican American Literature and Culture in the Borderlands**

The course examines literature as a part of expressive culture that reflects and shapes the way people think, behave, and give their lives meaning. Literature is also considered as a resource for people to address their needs and circumstances, especially in relation to social positions, gender, self-identification, politics, and ethics. Other topics include, U.S. Mexico relations, social conflict, resistance movements, religion, and cultural poetics.

**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 30433 - Mexican-American Folklore: Traditions of La Raza**

Analysis and methods in the study of traditional customs and beliefs of Mexican-Americans. Topics may include storytelling and joking, popular religion, ethnomedicine, ethnic identity rituals, and folk art.

**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 - Sex, Gender and Culture**

Prerequisites: ANTH 20623 or WOST 20003, or consent of the instructor. Explores the anthropological significance of sex and gender as multifaceted and diverse categories of human experience across a broad range of cultures. Studies of sexual orientation, gender identity, reproduction, cultural politics, health, and sociocultural inequalities.

**ANTH 30663 - Environmental Justice, Human Rights, and Agriculture**

discusses the intersection of food and justice. Investigates injustices generated by the current U.S. food system and by global agribusiness against farmworkers in Mexico and the U.S. against residents of underprivileged communities in U.S. cities. Explores possible solutions to these injustices, including fair trade, urban agriculture, food banks, and food policy councils. Students will design an experiential, service learning group project in conjunction with TCU and community partners.

**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 30703 - Archaeology of Mexico and Peru**

Prerequisites: ANTH 20613 or 20623 or 20633, or with consent of the instructor. An archaeological survey of the ancient cultures of Mexico and Andean South America, from the first human migrations into the Americas to the Aztec and Inka empires. Anthropological perspectives

on developmental sequences and achievements of major indigenous civilizations in both culture areas are discussed and compared.

**ANTH 30713 - World Archaeology**

Prerequisite: ANTH 20633 or consent of instructor. An in-depth treatment of basic techniques, methods and concepts of archaeology and a continued update in recent archaeological discoveries around the globe. 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 30783 - Anthropological Approaches to Nature and the Sacred**

Explores the complex interrelationships between people's spiritual beliefs and the environment. Comparative, cross-cultural approach to key features of selected work and indigenous religions, such as cosmologies, sacred lands, agriculture, and animals. Also examines emerging approaches to environment and religion, including ecofeminist spirituality; environmentalism as spiritual practice and civic religion; new green religious movements; and contemporary religious responses to the environmental crisis.

**ANTH 30823 - Native American Religions and Ecology**

Explores religious beliefs related to the environment and subsistence among Native North American Indian peoples. Investigates topics such as sacred stories and folktales, art and dance, rites of passage, health and healing, and hunting and agricultural rituals. Discusses the changing roles Native American religious beliefs have played among both native and Euro-American peoples since the time of first contact, from the crafting of pan-tribal native identities to New Age appropriations of sweat lodges and vision quests.

**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 30943 - Japan: Heritage, Culture, and Globalization**

This course provides the student with an overview of Japanese history and major cultural traditions. Japanese society will be looked at from its origins through the Tonkugawa period and onto modern Japan. Religious traditions and cultural perspectives will be highlighted. Additionally, the place of modern Japan in the global community will be examined.

**ANTH 30953 - Japan: Crime, Criminal Justice and Social Problems**

The course provides the student with an overview of the functioning of the Japanese policing, court, and correctional systems. In addition, both Japanese street crime and organized crime will be examined with special emphasis on the organization and history of the Japanese Yakuza. Further, the course will examine the realities of a myriad of social problems in Japanese society both as individual issues and as causes/effects of criminality. These topics include but are not limited to issues of poverty, urbanization, drug use and family structure stresses.

**ANTH 30963 - Japan: Environment, Technology, and Sustainability**

The course provides the student with an overview of Japan's perspectives on and efforts toward sustainability in relation to the environment and economic/technological growth. Issues of mass transportation, energy production, green architecture, and farming/fishing will be addressed. In addition the place of sustainability

as a philosophical dovetail to Japanese religious and cultural traditions will be highlighted.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 40433 - Transnational Processes: Globalization, Migrations, and Borders**

Prerequisite: Junior standing or permission of instructor. This course explores ongoing processes that link economic systems, multinationals, supranational institutions, armed conflict, poverty, and prosperity in different parts of the world, combining macro and local, native perspectives. Students learn theoretical frameworks and their application to develop ethics that may orient future endeavors in graduate training and professional life.

**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**

Asian studies is available as a minor on both the BA and BS degrees. The minor program offers students multidisciplinary opportunities to study subjects concerning the peoples and cultures of Asia.

**Asian Studies Minor Requirements**

Students are required to take 18 hours, selected from at least three 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. Up to six hours of a single foreign language (Japanese or Chinese), at the second semester level or higher, may be applied to

minor requirements. The Culture and Civilization courses (CHIN 30113 and JAPN 30113) may be counted in addition to the six language credits.

**Asian Studies Approved Courses**

One semester of college Chinese (selected from CHIN 10163, 10173 or 20063)

CHIN 30113	Chinese Civilization and Culture
ECON 30443	Asian Economics
ENGL 30783	Modern India: Literature and Culture
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
POSC 30303	Chinese Foreign Policy
POSC 30303	International Relations of East Asia
POSC 30303	Japanese Foreign Policy
POSC 30503	Politics of China
POSC 30503	Politics of Japan
RELI 30513	Hindu Religious Perspectives
RELI 30523	East Asian Religious Perspectives
RELI 30533	Buddhism: Thought and Practice
RELI 30573	Daoism and Chinese Religions
RELI 30753	The Many Faces of Krishna
RELI 30773	India: Texts and Traditions
RELI 30863	Religion and Violence

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, Carrie Currier, in the Department of Political Science.

**British and Colonial/Post-Colonial Studies**

British and Colonial/Post-Colonial studies is available as a minor on both the BA and BS degrees. 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 in London Program. 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 students 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.

**British and Colonial/Post-Colonial Studies Minor Requirements**

The minor is 18 hours and requires completion of two core courses, a disciplinary concentration consisting of three courses, and one elective course. The designated core courses draw from a variety of disciplines and are selected to provide students with:

- Foundational knowledge about Great Britain, its history and culture, and the processes of change over time.
- An introduction to the critical issues of Colonial/Post-Colonial studies (see list below).

The disciplinary concentration allows students to develop an area of specialization—arts and humanities or natural and social sciences—within the minor. For further information, contact the program director.

**Restrictions**

Courses must draw from at least three different departments with no more than nine hours completed in one department. No more than six hours can be completed at the 10000/20000 level. A maximum of 12 hours completed through the TCU in London Program or any other TCU Study Abroad Program can count toward the minor, but no more than six of those 12 hours can be London Internship hours. The

program director must approve the application of any transfer credit to the minor requirements.

**Specific Requirements**

- Three hours in a foundations course selected from this list or any other relevant course submitted and approved by program director:
  - ART 20073 British Art: Medieval to Modern
  - ART 30073 Modern British Art
  - ENGL 20403 Major British Writers
  - ENGL 30113 British Literature to 1800
  - ENGL 30123 British Literature since 1800
  - ENGL 30413 British Literature to 1500
  - 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 30593 Making of Modern England
- Three hours in a Colonial/Post-Colonial studies course selected from this list or any other relevant course submitted and approved by program director:
  - ECON 40413 U.S. Economic History-The Founding Eras
  - ENGL 30443 20th-Century Irish Literature
  - ENGL 30473 Wilde Years: Oscar Wilde and the 1890s
  - ENGL 30683 Post-Colonial Anglophone Literature
  - ENGL 30693 Multi-Ethnic Literature
  - ENGL 30773 India: Texts and Traditions
  - HIST 30533 England, 1815-1901, Politics, Prudery and the Pax Britannica
  - HIST 30543 20th-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 40603 Colonial America: from the Age of Discovery to 1763
  - JOUR 40543 International and Intercultural Communications
  - RELI 30553 African Religions
  - RELI 30773 India: Texts and Traditions
  - RELI 30893 Caribbean Religions
  - FTDM 30643 British Cinema and European Culture
- Nine hours of disciplinary concentration in one of the following two groups, with courses taken from at least two different departments within that group. Courses may be selected from the list in 1. or 2. above, or any other course relevant to the minor. While students may take courses for the concentration from their major department, no course may be applied to both major and minor requirements.
 

*Arts and Humanities:* art history, communication studies, design, english, journalism, music, philosophy, religion, FTDM, theatre.

*Natural and Social Sciences:* economics, education, geography, geology, history, political science, psychology.
- Three elective hours selected from the list of courses in 1. or 2. above or any relevant course in any participating department. The following courses taught at the London Centre and the London Internship may be applied toward the minor:
  - ART 20603 Art in London
  - ART 20003 Art and Culture of Ancient Greece
  - BRST 40920 London Internship
  - ENGL 30973 London and Literature in the 20th Century
  - ENGL 20403 Major British Writers
  - HIST 30583 British History
  - JOUR 40773 Media in Britain
  - POSC 40920 London Internship
  - FTDM 40773 Media in Britain
  - THEA 30123 The London Theatre

**Brit & Col/Post-Col Studies Courses**

**BRST 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**BRST 40003 - Senior Seminar: British Colonial/Post-Colonial Study**

This is a 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 40900 - Internship in Political Science/British Studies**

Washington Center or at the TCU in London Program. 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 the TCU in London Program. 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 the TCU in London Program. 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.)

**Classical Studies**

Classical studies is available as a minor on both the BA and BS degrees.

**Classical Studies Minor**

The minor in classical studies requires 18 semester hours, with a six-hour minimum of upper-division courses, selected from at least three areas. Up to nine hours of Greek/Latin can be counted toward the minor (including applicable AP/CLEP credit). Other courses may be applied to the minor with the approval of the minor coordinator or the AddRan associate dean. Students are encouraged to take part in a study abroad program relevant to the minor. Current approved courses include:

- ANTH 30923 Studies in Anthropology: Archaeology of Greece and Rome
- ART 20003 Classical Tradition in Art
- ENGL 20633 Mythology
- ENGL 50253 Classical Rhetoric
- GREE 40970 Directed Studies in Greek
- GRMN 20973 Honors: The Afterlife of the Greek Tradition
- GRMN 20983 Honors: The Afterlife of the Roman Tradition
- HIST 30003 The Greek World
- HIST 30013 The Roman Republic and Empire
- PHIL 40213 History of Ancient and Medieval Philosophy
- POSC 30203 Topics in Political Theory (when topic-appropriate)
- RELI 30113 Jesus and the Gospels
- RELI 30123 Paul and the Early Church
- THEA 30103 Theatre History I

Students who minor in classical studies are subject to the Pass/No-Credit Policy of their major department.

**Criminal Justice**

Criminal justice is available as a major on the BS degree and as a minor on both the BA and BS 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 nine hours credit in the major for criminal justice courses taken at accredited colleges and universities. A maximum of six hours may be counted toward the minor. The director of the Criminal Justice Program determines the applicability of such coursework to the program's degree requirements.

**Honors Program**

Criminal justice majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in



CRJU 30003 during their junior year and CRJU 40003 during the fall semester of their senior year.

### Criminal Justice Major Requirements

The BS with a major in criminal justice requires a total of 124 semester hours. The degree does not require a foreign language. The major requires 42 hours in criminal justice courses and 3 hours in associated courses:

The 42 semester hours in criminal justice (CRJU) must include:

#### *Required Criminal Justice 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

#### *Law Enforcement (3 hours)*

CRJU 30613	Police in a Free Society <i>or</i>
CRJU 30633	Federal Law Enforcement

#### *Law (3 hours)*

CRJU 30433	Criminal Law <i>or</i>
CRJU 30903	Law and Society

#### *Corrections (3 hours)*

CRJU 30393	Sociology of Corrections <i>or</i>
CRJU 30643	Community Corrections

#### *Diversity (3 hours)*

CRJU 30853	Multiculturalism in the Criminal Justice System
CRJU 40463	Juvenile Delinquency <i>or</i>
CRJU 40503	White Collar Crime

#### *Electives (9 hours)*

#### *Associated Requirement (3 hours)*

SOCI 20213	Introductory Sociology <i>or</i>
SOCI 20223	Social Problems

Although taught regularly, not all required courses are scheduled every semester. It is the students' 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.

### Criminal Justice Minor

The minor in criminal justice requires 18 hours. Required courses for the minor are CRJU 20413 and 30313.

### Alpha Phi Sigma

The Criminal Justice Program sponsors a chapter of Alpha Phi Sigma, the national honor society in the discipline. Any criminal justice major or minor with a 3.2 overall GPA and a 3.2 in criminal justice-related courses is eligible.

### Criminal Justice Courses

#### **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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **CRJU 30003 - Honors in Criminal Justice**

For Honors students and other selected superior students with permission of the Chair of the Criminal Justice Department. 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 30233 - Sustainability: Environmental, Social & Economic Issues**

The purpose of this course is to introduce students to the concept of sustainability from a multidisciplinary perspective. Sustainability includes a focus on the environment, social justice issues, and economic development that provides the basic needs for sustaining an acceptable quality of life. A focus on the global implications will be stressed and students will explore the connections between sustainability and citizenship and social values.

#### **CRJU 30313 - Criminology**

Prerequisite: SOCI 20213 or SOCI 20223, 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 30323 - Cultural Criminology**

This course offers an overview of the field of cultural criminology, from its theoretical and historical foundations to its current developments. The course explores the various intersections of culture, crime, and crime control, including criminal subcultures, crime and consumer culture, crime as pleasure and performance, and crime and crime control as public display. (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 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**

Prerequisites: CRJU 20413. 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 majors and 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 30633 - Federal Law Enforcement**

This course will examine the history and development of federal law enforcement in the United States, the current make-up and jurisdictions of various federal law enforcement agencies, the role of federal government in homeland security efforts, and career opportunities within the federal law enforcement community.

**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 30853 - Multiculturalism in the Criminal Justice System**

Examination of current issues and social problems relating to criminal justice in a culturally diverse society. Emphasis is placed on recognition of diversity and tolerance on behalf of criminal justice professionals.

**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 - Social Psychology of Crime**

Prerequisite: CRJU 20413, SOCI 20213 or PSYC 10213 or equivalent. An examination of the social psychological theories and research relevant for understanding criminal behavior. Course will also address societal and victim responses to crime.

**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 30943 - Japan:Heritage, Culture, and Globalization**

This course provides the student with an overview of Japanese history and major cultural traditions. Japanese society will be looked at from its origins through the Tokugawa period and onto modern Japan. Religious traditions and cultural perspectives will be highlighted. Additionally, the place of modern Japan in the global community will be examined.

**CRJU 30953 - Japan:Crime, Criminal Justice and Social Problems**

The course provides the student with an overview of the functioning of the Japanese policing, court, and correctional systems. In addition, both Japanese street crime and organized crime will be examined with special emphasis on the organization and history of the Japanese Yakuza. Further, the course will examine the realities of a myriad of social problems in Japanese society both as individual issues and as causes/effects of criminality. These topics include but are not limited to issues of poverty, urbanization, drug use and family structure stresses.

**CRJU 30963 - Japan:Environment, Technology, and Sustainability**

The course provides the student with an overview of Japan's perspectives on and efforts toward sustainability in relation to the environment and economic/technological growth. Issues of mass transportation, energy production, green architecture, and

farming/fishing will be addressed. In addition the place of sustainability as a philosophical dovetail to Japanese religious and cultural traditions will be highlighted.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**CRJU 32990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 40403 - Cyber Crime**

An examination of cyber and high-tech crime addressed from a criminological perspective. Emphasis is placed on the nature, scope, and development of this relatively new crime problem. Special attention is given to the victims and perpetrators of the various types of cyber crime. The challenges cyber crime poses to researchers and law enforcement are addressed.

**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 40613 - Terrorism and Homeland Security**

Examination of current issues and social problems relating to terrorism and homeland security. Emphasis is placed on recognition and responding to terrorist threats with respect to individual rights and security.

**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.

## Economics

Economics is available as a major or a minor on both the BA and BS degrees. It is also available on the BA degree in international economics. Students who plan to pursue a graduate degree in economics should be certain to meet early and often with their faculty adviser to ensure that appropriate supplemental coursework is completed.

The Department of Economics is part of AddRan College of Liberal Arts and, thus, has a liberal arts focus. The program fosters 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 the 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.

### Honors Program

Economics majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in ECON 30003 during their junior year and ECON 40003 during the fall semester of their senior year.

### Minimum Grade Requirement

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 students' 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 a student's academic career.

## Economics Major Requirements

### Bachelor of Arts with a Major in Economics

The BA with a major in economics requires 30 semester hours in economics, 27 of which must be at the 30000 level or above, plus a minimum of six semester hours in associated requirements. A grade of "C" or better must be attained in any course that is to count as one of the 30 hours in economics or as one of the associated requirements. Specific requirements are as follows:

#### Foundations (12 hours)

Any 10000-level economics course

ECON 30223	Intermediate Microeconomics
ECON 30233	Intermediate Macroeconomics
ECON 30243	Contending Perspectives in Economics

#### Breadth Requirements (9 hours, 3 from each subsection)

Historical Context (3 hours)

ECON 30423	European Economic History
ECON 30253	History of Economic Thought
ECON 40413	U.S. Economic History I
ECON 40423	U.S. Economic History II
ECON 50463	Perspectives In Macroeconomics
ECON 30483	Financial History

International Economics (3 hours)

ECON 30213	Development Theory
ECON 30433	Development Studies
ECON 30443	Asian Economics
ECON 30453	Economics of the European Union
ECON 30463	Latin American Economics
ECON 30493	International Economic Studies
ECON 40213	International Trade and Payments
ECON 40223	International Monetary Economics

Public Economics (3 hours)

ECON 30473	Regional and Urban Economics
ECON 40113	Industrial Organization
ECON 40133	Labor Economics

ECON 40143	Public Finance
ECON 40153	Economics of Financial Markets
ECON 40433	Law and Economics
ECON 50453	Macroeconomic Studies

*Electives (6 hours)*

*Capstone Experience (3 hours)*

ECON 40013	Senior Seminar in Economics
ECON 40003	Senior Honors Research Paper

*Associated Requirements (6-7 hours)*

MATH 10283 or 10524 (Note that the former will not serve as the prerequisite for any upper-level math courses) and INSC 20153 or MATH 10043.

A minor is required. A minor in mathematics is recommended for those planning to enter graduate school in economics.

### Bachelor of Science with a Major in Economics

The BS with a major in economics requires 30 semester hours in economics, 27 of which must be at the 30000 level or above, plus a minimum of six semester hours in associated requirements. A grade of "C" or better must be attained in any course that is to count as one of the 30 hours in economics or as one of the associated requirements. Specific requirements are as follows:

#### Foundations (15 hours)

Any 10000-level economics course

ECON 30223	Intermediate Microeconomics
ECON 30233	Intermediate Macroeconomics
ECON 30243	Contending Perspectives in Economics
ECON 40313	Econometrics

Breadth Requirements (9 hours, 3 from each subsection)

Historical Context (3 hours)

ECON 30253	History of Economic Thought
ECON 30423	European Economic History
ECON 30483	Financial History
ECON 40413	U.S. Economic History I
ECON 40423	U.S. Economic History II
ECON 50463	Perspectives in Macroeconomics

International Economics (3 hours)

ECON 30213	Development Theory
ECON 30433	Development Studies
ECON 30443	Asian Economics
ECON 30453	Economics of the European Union
ECON 30463	Latin American Economics
ECON 30493	International Economic Studies
ECON 40213	International Trade and Payments
ECON 40223	International Monetary Economics

Public Economics (3 hours)

ECON 30473	Regional and Urban Economics
ECON 40113	Industrial Organization
ECON 40133	Labor Economics
ECON 40143	Public Finance
ECON 40153	Economics of Financial Markets
ECON 40433	Law and Economics
ECON 50453	Macroeconomic Studies

*Electives (3 hours)*

*Capstone Experience (3 hours)*

ECON 40013	Senior Seminar in Economics
ECON 40003	Senior Honors Research Paper

*Associated Requirements*

All students must complete six to seven hours of coursework in Calculus and Statistics from the following:

MATH 10283	Applied Calculus or
MATH 10524	Calculus I

(Note that the former will not serve as the prerequisite for any upper-level math courses)

INSC 20153	Statistical Analysis or
MATH 10043	Elementary Statistics

In addition, students must choose one of the following four options:

*Mathematics (7-8 hours)*

MATH 20524	Calculus II
Upper-level (30000 and above) math	

*Accounting (6 hours)*

ACCT 20153	Principles of Financial Accounting
ACCT 20163	Principles of Managerial Accounting

*Computer Science (9 hours)*

- COSC 10403 Introduction to Programming
- COSC 20203 Techniques in Programming
- COSC 20803 Data Structures

*General Business Minor (18 hours)*

Minor: A minor is required. Any minor approved by AddRan College is acceptable. In addition, subject to prior approval by the chair of the Department of Economics 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. A minor in mathematics is recommended for those planning to enter graduate school in economics.

**Bachelor of Arts with a Major in International Economics**

The BA with a major in international economics requires 30 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. A grade of "C" or better must be attained in any course that is to count as one of the 30 hours in economics or as one of the associated requirements. Specific requirements are as follows:

*Foundations (12 hours)*

- Any 10000-level economics course
- ECON 30223 Intermediate Microeconomics
- ECON 30233 Intermediate Macroeconomics
- ECON 30243 Contending Perspectives in Economics

*International Economics (12 hours)*

- Core (6 hours)
- ECON 40213 International Trade and Payments
- ECON 40223 International Monetary Economics

*Electives (6 hours)*

- ECON 30213 Development Theory
- ECON 30433 Development Studies
- ECON 30443 Asian Economics
- ECON 30453 Economics of the European Union
- ECON 30493 International Economic Studies

*Additional Electives in Economics (3 hours)*

*Capstone Experience (3 hours)*

- ECON 40013 Senior Seminar in Economics
- ECON 40003 Senior Honors Research Paper

*Associated Requirements*

Quantitative Skills (6 to 7 hours):

MATH 10283 or 10524 (Note that the former will not serve as the prerequisite for any upper-level math courses) and INSC 20153 or MATH 10043

*International and Comparative Politics (6 hours)*

- POSC 20303 International Politics
- POSC 30303 Topics in International Politics
- POSC 30503 Topics in Comparative Politics

*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 Department of Economics).

A minor is required. A minor in mathematics is recommended for those planning to enter graduate school in economics.

**Economics Minor**

The minor in economics requires 18 semester hours in economics to include at least three hours chosen from ECON 30223 and 30233. A minimum of 12 advanced hours (30000-level or above) is required.

**Economics Majors Minor in Finance**

*Required Courses: 12 hours*

- 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

Six 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

**Economics Majors Minor in 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

ECON 40153 may not be used to satisfy both the major and minor requirements.

**Omicron Delta Epsilon**

The Eta of Texas Chapter of Omicron Delta Epsilon (ODE) is sponsored by the Department of Economics. ODE is the national honor society in economics.

**Economics Courses**

**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**

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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30213 - Development Theory**

Prerequisites: A 'C' or better in ECON 10223 or 30223, and 10233 or 30233. 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 any 3 or more semester hours ECON course, 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 any 3 or more semester hours ECON course. Employment, monetary theory, aggregate demand and supply theory, economic performance and tools of measurement.

**ECON 30243 - Contending Perspectives in Economics**

Prerequisite: At least three semester hours credit in economics with a grade of 'C' or better. A survey of major theoretical approaches in economics today, with emphasis on the unique insights and applications of each approach, the theoretical underpinnings of enduring

disagreements among professional economists, and the process of ongoing debate and cross-fertilization among these contending perspectives.

#### **ECON 30253 - History of Economic Thought**

Prerequisites: A 'C' or better in three semester hours of Economics. The study of economic ideas. May include the ideas of any major contributor from Adam Smith to contemporary economists.

#### **ECON 30423 - European Economic History - The Industrial Revolution**

Prerequisites: A 'C' or better in any 3 or more semester hours ECON course, or instructor permission. This course examines the transformation of England, and later the world, to an industrialized society. Students investigate the technological, economic, and social changes that took place during this period. Possible sources of this change - why it happened, when and where it did - are examined.

#### **ECON 30433 - Development Studies**

Prerequisites: A 'C' or better in ECON 10223 or 30223, and 10233 or 30233. 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 30443 - Asian Economics**

Prerequisites: A 'C' or better in any six hours of Economics. Examines the modern development and economic history of East Asia from the 19th century to the present. Topics include explanations for the rapid economic growth in the region; the impact of industrial policies, trade, and foreign direct investment; the origins of the Asian financial crisis; the role of demographic and institutional factors.

#### **ECON 30453 - Economics of the European Union**

Prerequisites: A 'C' or better in any 3 or more semester hours ECON course. This course is concerned with the process of economics integration within the European Union. The main fields covered are: 1) Historical background, principles and functioning of the EU institutions; 2) the internal market: integration of product and factor markets; 3) EU policies (agriculture, regional, competition, etc.); 4) EU monetary integration.

#### **ECON 30463 - Latin American Economics**

Prerequisites: A 'C' or better in any 3 or more semester hours ECON course. ECON 10233 is recommended, but not required. This course covers the influence of past economic policies on the current state of the economics of Latin America. The major policies to be considered are industrial policy, international trade policy, exchange rate policy, financing current account deficits, and macroeconomic policy.

#### **ECON 30473 - Regional and Urban Economics**

Prerequisites: A 'C' or better in ECON 10223 or 30223. 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 30483 - Financial History**

Prerequisites: A 'C' or better in 6 hours of Economics. 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 30493 - International Economic Studies**

Prerequisites: At least three 3 semester hours credit in economics with a grade of 'C' or better. 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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: ECON 30223, 30233, 30243 and 12 additional ECON hours, all with grades of 'C' or better. Capstone seminar exploring selected issues in economic theory or policy.

#### **ECON 40113 - Industrial Organization**

Prerequisites: A 'C' or better in ECON 30223. Theoretical and empirical examination of the interrelationships between market structure, conduct and performance in the industrial sector of the economy.

#### **ECON 40133 - Labor Economics**

Prerequisites: A 'C' or better in ECON 30223. Economic analysis of labor market issues, including minimum wage legislation, compensating wage differentials, human capital investment, discrimination, and collective bargaining.

#### **ECON 40143 - Public Finance**

Prerequisites: A 'C' or better in ECON 30223 or 30233. Theory of public choice; budgeting procedures; theory and methods of financing government expenditures; fiscal policy.

#### **ECON 40153 - Economics of Financial Markets**

Prerequisites: A 'C' or better in ECON 30233. Analysis of the structure and operations of financial markets and analysis of the role of money and capital markets in the economy.

#### **ECON 40213 - International Trade and Payments**

Prerequisites: A 'C' or better in ECON 30223. 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 40223 - International Monetary Economics**

Prerequisites: A 'C' or better in ECON 30233. 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 40313 - Econometrics**

Prerequisites: A 'C' or better in ECON 10223 OR 30223, and 10233 OR 30233, and MATH 10043 or INSC 20153. Techniques of simple and multiple regression. Methods for correcting problems of autocorrelation, heteroscedasticity, and multicollinearity.

#### **ECON 40413 - U. S. Economic History - The Founding Eras**

Prerequisites: A 'C' or better in 6 hours of Economics. 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: A 'C' or better in 6 hours of Economics. 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 40433 - Law and Economics**

Prerequisites: ECON 30243. Law and Economics asks students to consider economics as a justification for legal decision making. Different perspectives regarding the nature of law are juxtaposed against different perspectives regarding the nature of economics. Students develop their own synthesis by examining landmark legal cases from various perspectives.

#### **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 40980 - Directed Studies in Economics**

Prerequisites: A 'C' or better in 12 hours in economics and senior standing. Supervised reading, research, and preparation of a substantial paper.

#### **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 - Perspectives in Macroeconomics**

Prerequisites: A 'C' or better in ECON 30233 or graduate standing in business. Analysis of macroeconomic issues in theory and policy from

the perspective of competing schools of thought. Special emphasis will be placed on how each approach explains post-1970 business cycles, inflation, and unemployment in the U.S. economy.

## English

English is available as a major on the BA degree and as a minor on both the BA and BS degrees.

### Honors Program

English majors who plan to pursue Departmental Honors must be members of the University Honors Program and enroll in ENGL 30003 in their junior year and ENGL 40003 in the fall semester of their senior year.

### English Major Requirements

#### Bachelor of Arts with a Major in English

Each student forms a program of study in consultation with a faculty adviser in English.

To earn a the BA with a major in English, students must complete 31 hours in English (exclusive of ENGL 10803, 10833, 20803 and 20833). Of these, at least 25 hours must be in upper-division English courses (30000 level and above). **No more than six hours of lower-division credit may be applied to the major.**

*General Requirements.* All majors in English are required to take ENGL 40831 (Senior Seminar) after they have attained senior standing and completed 21 hours in English courses (exclusive of ENGL 10803, 10833, 20803 and 20833).

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 of English for information on these courses or check the department's Web site, [www.eng.tcu.edu](http://www.eng.tcu.edu).

*Specific Requirements.* To earn a major, students must complete at least six of the 31 hours in courses in pre-1800 materials in American literature, British literature or rhetorical traditions. Select from this list (or consult the department): ENGL 20433, 20603, 20633, 20913, 30113, 30253, 30413, 30423, 30433, 30583, 30623, 30633, 30643, 30673, 40323, 40403, 40413, 40423, 40453, 40473, 40483, 40493, 40543 and 40653. Most of these courses can be used to satisfy one of the distribution requirements listed below in categories a, b, d and e.

These additional distribution requirements apply:

- Six upper-division hours of American literature, selected from this list: ENGL 30133, 30143, 30153, 30503, 30513, 30533, 30543, 30553, 30563, 30573, 30583, 30593, 30693, 30713, 40523, 40533, 40543, 40553, 40563, 40573, 40583, 40593 and 40683;
- Six upper-division hours of British literature, selected from this list: ENGL 30113, 30123, 30413, 30423, 30433, 30443, 30453, 30463, 30473, 30633, 30653, 30673, 30683, 30773, 30783, 30793, 40403, 40413, 40423, 40433, 40443, 40453, 40463, 40473, 40483, 40493, 40643, 40653 and 40693;
- Three upper-division hours of writing, selected from this list: ENGL 30213, 30223, 30233, 30263, 30273, 30293, 30343, 30353, 40203, 40213, 40223, 40233, 40243, 40263, 40273 and 50233;
- Three upper-division hours of theory, selected from this list: ENGL 30103, 30203, 30243, 30253, 30273, 30283, 30663, 40123, 40253, 40323, 40333, 50243 and 50253; and
- Twelve elective hours of any courses offered by the Department of English; of these, at least six hours must be at the upper division.

### English Minor

To earn a minor in English, students must complete 18 semester hours in English (exclusive of ENGL 10803, 10833, 20803 and 20833). Of these, nine hours must be in upper-division courses. These distribution requirements apply:

- Three hours of American literature, selected from this list: ENGL 20503, 20523, 20533, 20583, 30133, 30143, 30153, 30503, 30513, 30533, 30543, 30553, 30563, 30573, 30583, 30593, 30693, 30713, 40523, 40533, 40543, 40553, 40563, 40573, 40583, 40593 and 40683;
- Three hours of British literature, selected from this list: ENGL 20403, 20433, 30113, 30123, 30413, 30423, 30433, 30443, 30453, 30463, 30473, 30633, 30653, 30673, 30683, 30773, 30783, 30793, 40403, 40413, 40423, 40433, 40443, 40453, 40463, 40473, 40483, 40493, 40643, 40653 and 40693;

- Three hours of writing, selected from this list: ENGL 10203, 20353, 30213, 30223, 30233, 30263, 30273, 30293, 30343, 30353, 40203, 40213, 40223, 40233, 40243, 40263, 40273 and 50233; and
- Nine hours of elective English courses, chosen from any category.

### English Course Subcategories

#### Writing Workshops (WCO)

ENGL 10803	Introductory Composition: Writing as Inquiry
ENGL 10833	Introductory Composition: First-Year Seminar
ENGL 20803	Intermediate Composition: Writing as Argument
ENGL 20833	Intermediate Composition: Sophomore Seminar

#### American Literature

ENGL 20503	Major American Writers
ENGL 20523	Sports in Modern American Literature
ENGL 20533	The American Dream
ENGL 20543	The American Short Story
ENGL 20583	The Western
ENGL 30133	American Literature to 1900
ENGL 30143	American Literature since 1900
ENGL 30153	Urban Experiences and American Literature
ENGL 30503	The Roaring Twenties
ENGL 30513	American Poetry
ENGL 30533	Modern American-Jewish Literature
ENGL 30553	19th Century American Novel
ENGL 30563	American Drama
ENGL 30573	Travel 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 19 <sup>th</sup> -Century
ENGL 40563	U.S. Women's Writing
ENGL 40573	Mark Twain
ENGL 40583	Contemporary American Poetry
ENGL 40593	Faulkner
ENGL 40683	Studies in 20th-Century American Literature

#### 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	20th-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 30633	Medieval and Early Modern Women Writers*
ENGL 30653	Jane Austen: Novels and Films
ENGL 30673	King Arthur in Literature and Legend
ENGL 30683	Post-Colonial Anglophone Literature
ENGL 30773	India: Texts and Traditions
ENGL 30783	Modern India: Literature and Culture
ENGL 30793	Multi-Ethnic Literature of the World
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 40473	Milton and His Contemporaries
ENGL 40483	Shakespeare and Marlowe*
ENGL 40493	Shakespeare*
ENGL 40643	British Romanticism
ENGL 40653	Renaissance Literature and the 'New' Science*
ENGL 40693	20th-Century British and Irish Poetry

#### Writing

ENGL 10203	Introduction to Creative Writing
ENGL 30293	Introduction to Multimedia Authoring
ENGL 30213	Advanced Composition

ENGL 30223	Technical Writing and Document Design
ENGL 30233	The Essay
ENGL 30263	Style and Usage
ENGL 30273	Argument and Persuasion
ENGL 40263	Advanced Multimedia Authoring
ENGL 30343	Intermediate Fiction Writing
ENGL 30353	Intermediate Poetry Writing
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 40273	Writing Internship
ENGL 50233	Studies in Creative Writing

**Theory**

ENGL 30103	Introduction to Literary Theory
ENGL 30203	Urban Rhetorics
ENGL 30243	Rhetorical Practices in Culture
ENGL 30253	Rhetorical Traditions*
ENGL 30273	Argument and Persuasion
ENGL 30283	Cyberliteracy
ENGL 30663	Women's Rhetorics
ENGL 40123	Literary Criticism
ENGL 40253	Propaganda Analysis and Persuasion
ENGL 40323	History of the Language
ENGL 40333	Language, Rhetoric and Culture
ENGL 50243	Teaching Writing
ENGL 50253	Classical Rhetoric

**Electives**

ENGL 10103	Introduction to Fiction
ENGL 10113	Introduction to Poetry
ENGL 10123	Introduction to Drama
ENGL 10303	Approaches to Film
ENGL 10433	Literature: Freshman Seminar
ENGL 10503	Introduction to Nonfiction Genres
ENGL 20333	Language, Technology, and Society
ENGL 20603	Western World Literature I*
ENGL 20613	Western World Literature II
ENGL 20623	Women in Literature and Culture
ENGL 30163	Nature Writing in Nature
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 30493	Nature Writing in Nature
ENGL 30493	Women Poets and Poetic Tradition
ENGL 30613	Women's Lives: Memoir and Fiction
ENGL 30623	Medieval Literature in Translation*
ENGL 30643	The Bible as Literature*
ENGL 30723	Short Story
ENGL 30733	Satire
ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film
ENGL 30753	Literature and Film
ENGL 30763	Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature
ENGL 40663	Modern Fiction
ENGL 40673	Modern Drama
ENGL 40733	Children's Literature
ENGL 40743	The Long Novel

**Seminars and Directed Studies**

ENGL 30003	Junior Honors Seminar
ENGL 30973	Directed Studies in English
ENGL 40003	Senior Honors Seminar
ENGL 40831	Senior Seminar
ENGL 50970	Directed Study in English

**English Courses****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 10303 - Approaches to Film**

A study of aesthetic and ideological differences between literary source texts and the films, scripts, television series, video games, and other media adapted from and inspired by them.

**ENGL 10433 - Literature: Freshman Seminar**

Topics may vary each time it is offered.

**ENGL 10503 - Introduction to Nonfiction Genres**

This course provides an introductory-level study of a variety of genres that do not fit the mold of fiction, poetry or drama. Readings will vary by semester, and may include such genres as oratory, essay, memoir, autobiography, oral history, diary, speeches, letters, belles lettres, chronicles, periodicals, treatises, manifestos, travelogues, weblogs, podcasts, dialogues, debates, didactic and religious writings and/or documentary film and television.

**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 as Inquiry**

Course satisfies Written Communication 1 (WCO) requirement in the TCU Core Curriculum. Credit not awarded for both 10803 and 10833. Either ENGL 10803 or 10833 is a prerequisite to all upper-division English courses and advanced writing courses at TCU. Writing workshop where students compose multiple pieces in a range of genres using appropriate rhetorical conventions, learn strategies for reading texts and visual critically, and incorporate suitable sources. Students will engage in processes for invention, drafting, critiquing, revising, and editing of prose.

**ENGL 10833 - Introductory Composition: First-year Seminar**

Course satisfies Written Communication 1 (WCO) requirement in the TCU Core Curriculum. Credit not awarded for both 10803 and 10833. Either ENGL 10803 or 10833 is a prerequisite to all upper-division English courses and advanced writing courses at TCU. Topics may vary each time it is offered. Writing workshop with a themed focus where student compose multiple pieces in a range of genres using appropriate rhetorical conventions, learn strategies for reading texts and visuals critically, and incorporate suitable sources. Students will engage in processes for invention, drafting, critiquing, revising, and editing of prose.

**ENGL 20333 - Language, Technology, and Society**

An introduction to the ways in which social organizations, technology, and language influence one another.

**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 20523 - Sports in Modern American Literature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803. ENGL 20803 may be taken concurrently with ENGL 20523. 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 20533 - The American Dream**

The American success dream as depicted and evaluated by major writers from Colonial times to the present.

**ENGL 20543 - The American Short Story**

A survey of the American short story from its origins 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 Fiction**

Detective and suspense fiction in its social and historical context, illustrated by selected major works and authors.

**ENGL 20803 - Intermediate Composition: Writing Argument**

Course satisfies Written Communication 2 (WCO) requirement in the TCU Core Curriculum. Credit not awarded for both ENGL 20803 and 20833. Prerequisite: ENGL 10803 or equivalent and sophomore standing (24 hours). Either ENGL 20803 or 20833 is a prerequisite to all upper-division English courses and advanced writing courses at TCU. Writing workshop that builds on ENGL 10803 by focusing on the analysis and production of arguments in a variety of media (i.e., print, visual, oral, digital). Students will work individually and collaboratively to read, research, and compose effective arguments on issues of local and national importance.

**ENGL 20833 - Intermediate Composition: Sophomore Seminar**

Course satisfies Written Communication 2 (WCO) requirements in the TCU Core Curriculum. Credit not awarded for both ENGL 20803 and 20833. Prerequisite: ENGL 10803 or equivalent and sophomore standing (24 hours). Either ENGL 20803 or 20833 is a prerequisite to all upper-division English courses and advanced writing courses at TCU. Topics may vary each time it is offered. Writing workshop that builds on ENGL 10803 by focusing on the analysis and production of arguments in a variety of media (i.e., print, visual, oral, digital) with a particular themed focus. Students will work individually and collaboratively to read, research, and compose effective arguments on issues related to the theme of the course.

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30153 - Nature Writing in Nature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 or 20833, and at least one additional 10000- or 20000-level English course. The seminar focuses on Nature writers and texts from the eighteenth century to the present and will cover a variety of genres, including exploration accounts, travel narratives, memoirs, poetry, and creative non-fiction. Field trips are required.

#### **ENGL 30163 - Urban Experiences and American Literature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 or 20833, and at least one 10000- or 20000- level ENGL course. An examination of depictions of cities in American literature, with attention to the ways urban experiences shape Americans' lives, social interactions, and identities. The historical period under inquiry may vary by semester.

#### **ENGL 30203 - Urban Rhetorics**

Prerequisites: ENGL 10803 or 10833, and ENGL 20803 or 20833. A rhetorical analysis of cities, parks, memorials, planned communities, and civic discourse in and around what gets composed as an urban text. From a rhetorical perspective, this course will explore the historical, social, cultural and racial texts constructed in the urban environment which shape our sense of citizenship and identity in both public and private contexts. Examines current trends and topics in the American urban landscape.

#### **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.

#### **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 30293 - Introduction to Multimedia Authoring: Image and Hypertext**

Investigates the relationship between new media, culture, and design, with particular emphasis on multimodal, interactive texts. Course emphasizes concepts in rhetoric, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating print, image, and other modes.

#### **ENGL 30343 - Intermediate Fiction Writing**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. Prior to enrollment, students are also strongly encouraged to take ENGL 10203 (Introduction to Writing.)

#### **ENGL 30353 - Intermediate Poetry Writing**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. Prior to enrollment, students are also strongly encouraged to take ENGL 10203 (Introduction to Creative Writing.)

#### **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 close scrutiny of early 20th century British literature and criticism written by and about the intellectual circle called the Bloomsbury Group. Writers and artists may include Virginia and Leonard Woolf, E.M. Forster, Lytton Strachey, Roger Fry, Duncan Grant, Vanessa and Clive Bell, and Desmond MacCarthy. Emphasis will be given to the writers' engagement with, contributions to, and/or repudiation of Modernism, Empire, sexual norms, and class consciousness.

#### **ENGL 30473 - Wilde Years: Oscar Wilde and the 1890s**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. 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 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 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 30653 - Jane Austen: Novels and Films**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and a least one 10000 or 20000-level course. A study of Jane Austen's biography, letters, and novels and the film adaptations based upon them, from 1940 to the present day.

**ENGL 30663 - Women's Rhetorics**

Prerequisites: ENGL 10803 or equivalent, ENGL 20803 or equivalent, and one additional 10000- or 20000-level English class. Women's Rhetorics will explore the ways in which women use language to persuade in both public and private spheres. The course will use rhetorical theory to study a variety of primary texts by women representing a range of historical periods from Classical times to the present, with special attention to both traditional rhetorical genres (speeches, letters, sermons, editorials) and nontraditional texts (quilts, recipe books, blogs, performance art).

**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 30713 - Mexican American Literature and Culture in the Borderlands**

The course examines literature as a part of expressive culture that reflects and shapes the way people think, behave, and give their lives meaning. Literature is also considered as a resource for people to address their needs and circumstances, especially in relation to social positions, gender, self-identification, politics, and ethics. Other topics include, U.S. Mexico relations, social conflict, resistance movements, religion, and cultural poetics.

**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 30743 - Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. The course examines sequential illustrated storytelling -- including comic books, graphic novels, political cartoons, and engravings -- from a variety of cultures over the past 300 years. The perspective will be literary and historical.

**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 30763 - Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. This course examines themes of sexual identity in literature by authors from antiquity to the present.

**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 - Modern India: Literature and Culture**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A student of the literature and culture of modern, post-independence (post 1947) India through the lens of literature. The course introduces students to India's history of colonization and religious diversity to understand Indian heritage and provide a context for modern Indian literature. Literature is the focal point but the course includes readings about India's history, religion and philosophy.

**ENGL 30793 - Multi-ethnic Literature of the World**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 or 20833, and at least one 10000- or 20000-level ENGL course. An analysis of the fiction, poetry, drama and essays of major ethnic writers and New Literatures in English from Britain, the Commonwealth 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 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**ENGL 37990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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.

**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 40263 - Advanced Multimedia Authoring: Animation and Film**

Prerequisites: ENGL 30293 or instructor approval. Explores the complex relationship between new media, culture, and design, with particular emphasis on cinematic or time-based rhetoric. Course emphasizes concepts in rhetoric, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating print, image, and other modes.

**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, Rhetoric and Culture**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course

**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-fictional 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 40473 - Milton and his Contemporaries**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. This course examines major literary texts written during and immediately after the English Revolution of 1640-1660 with a focus on the poetry and prose of John Milton and his major contemporaries. Topics include Protestant and Catholic poetics, poetry and theology, literary responses to political upheaval and the rise of the new empirical sciences, the status of epic poetry in modern society, and the literary consequences of changes in the structure of family life and gender.

**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 40563 - U.S. Women's Writing**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. A study of U.S. women's writings, with attention to the ways the literature reflects, responds to, and shapes

perceptions of women's roles, identities, and opportunities at various historical moments. Topics, authors, genres, and approaches may vary by semester.

**ENGL 40573 - Mark Twain**

The seminar will focus on the life and works of Mark Twain. Readings will include several of his major novels, a broad sampling of this short stories, and a selection of his essays and letters. Attention will be given to both the historical and contemporary contexts that have shaped the reception of Twain's writing.

**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 40643 - British Romanticism**

Prerequisites: ENGL 10803 or 10833, ENGL 20803, and at least one 10000- or 20000-level ENGL course. This class will survey British literature from 1790-1830, examining the aesthetic movement of Romanticism in its social and historical context. Authors include Blake, Wordsworth, Coleridge, Barbauld, Byron, Percy and Mary Shelley, Keats, Hemans, and De Quincey.

**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 40683 - Studies in 20th Century American Literature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 or 20833, and at least one 10000- or 20000-level ENGL course. Concentrated study of American literature, 1900 to the present. Topics, genres, authors, ad approaches will vary by semester. May be taken more than once for credit under different sub-headings.

**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 - Children's Literature**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 and at least one 10000- or 20000-level ENGL course. A study of the history and criticism of children's literature, with an emphasis on Anglophone works from the last 200 years.

**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 40831 - Senior Seminar**

Prerequisites: English majors or Writing majors only; students must have senior standing and must have completed 21 hours in English courses beyond 10803/10833 and 20803/20833. This seminar is intended as a capstone course for all English majors. Students will discuss and examine the practical and professional aspects of the English major while attempting to synthesize and integrate their various learning experiences in literature and writing. Students will also attend special workshops and seminars intended to inform them about various areas of professional activity (and as well meet professionals active in these areas.) Students will prepare and submit a final writing portfolio, representing their work as an English major.

**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 50973 - Directed Study in English**

Prerequisites: ENGL 10803 or 10833, and one 20000-level ENGL course. Directed Study in English.

## English as a Foreign Language

English as a Foreign Language (ENFL) courses offer elective credits for international students who have been admitted to TCU. 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 coursework 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:

- Scores on standardized tests approved by the University, for which the student will receive three to 12 hours of credit depending on the examination score; or

- 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.

## English as a Foreign Language Courses

**ENFL 10003 - 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**

A course designed for students who first language is other than English; students should have an intermediate level of ability to write in English. The course fosters improvement of composition skills by writing ethnography (or the writing of American academic culture particularly). Concurrent enrollment in ENGL 10803, Introductory Composition: Writing from Sources or ENGL 10833 Comp: Freshman Seminar is expected. The TWE is required as a final exam.

**ENFL 10113 - Advanced Composition Skills**

A course designed for students whose first language is other than English; student should have an advanced level of ability to write in English. The course fosters improvement of composition skills by writing ethnography (or the writing of American academic culture particularly). Concurrent enrollment is expected in one of the following course: ENGL 10803 Introductory Composition: Writing from Sources; ENGL 10833 Comp: Freshman Seminar; or ENGL 20803 Intermediate composition: Writing within communities. The TWE is required as a final exam.

## General Studies

A program leading to the Bachelor of General Studies (BGS) 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 or above) courses. Degree plans must be approved by the director of general studies.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

**General Studies Major Requirements**

In addition to satisfying the TCU Core Curriculum requirements, students must take:

- A total of 124 semester hours with at least 45 semester hours taken at TCU.
- A minimum of 24 semester hours in an emphasis area approved by the director of general studies.
- 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.

## Geography

Geography is available as a major on the BA degree and as a minor on both the BA and BS degrees. The program is administered by the Department of History.

**Geography Major Requirements**

The BA with a major in geography requires 30 semester hours. No grade lower than "C" can be applied to the major.

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 40393 Soils in the Environment
- GEOL 50493 Physical Hydrology
- GEOL 50723 Introduction to Geographic Information Systems
- GEOL 50731 Remote Sensing Technology
- GEOL 50741 Image Processing
- GEOL 50751 Image Interpretation
- GEOL 50863 Spatial Analysis

### Geography Minor

The minor in geography requires 18 semester hours, including GEOG 10003, 20013; nine semester hours of upper-division geography courses; and three semester hours from GEOL 10113, 30113 or 40493. No grade lower than "C" can be applied to the minor.

### Geography Courses

#### 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 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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

History is available as a major on the BA degree and as a minor on both the BA and BS degrees.

### Honors Program

History majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in HIST 30153 during their junior year and HIST 40103 during the fall semester of their senior year.

### History Major Requirements

The BA with a major in history requires 30 semester hours in history courses, which include the following:

- A minimum of 9 hours of survey courses, drawn from at least three out of the following four categories:  
 U.S.: 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 toward the requirements for the major. Geographic association is indicated by the abbreviations U.S., EU, LA and AS. Students who complete the Honors intellectual traditions track (HHIT 10113, 20123, 20133) may count these toward 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 offers one of the four seminars each semester. They 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 adviser, substitute a History Major Seminar for the Juniors Honors Tutorial (HIST 30153) as preparation for completing the honors thesis.

### History Minor

The minor in history requires 18 hours, to be distributed as follows:

- A minimum of nine hours of survey courses, drawn from at least three out of the following four categories:  
U.S.: 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 toward a history major or minor in lieu of the European survey courses.
- Six hours must be 30000 or above.

### History Secondary Certification

To earn the history secondary certificate, students must complete 24 semester hours, which include two of the three European survey courses (HIST 10203, 10213 or 10223), HIST 10603 and 10613 or 10903 and 10913, HIST 40743, and nine semester hours at the 30000 level or above.

### History Honor Society

The Department of History sponsors the Eta Kappa Chapter of Phi Alpha Theta, national honor society in the discipline of history.

### History Course Subcategories

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	U.S. History: A Survey to 1877
HIST 10613	U.S. 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
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### Early Modern Europe

HIST 30203	The Renaissance
HIST 30213	The Reformation
HIST 30223	The 17th Century
HIST 30233	Enlightenment Europe
HIST 30243	History of Spain and Portugal to 1830
HIST 30253	Popular Culture in Early Modern Europe

### Modern Europe

HIST 30303	The Age of Great Transformation: Europe, 1815-
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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
HIST 30383	Experiences and Encounters: Paris and Madrid 1880-1940
HIST 30393	Totalitarianism in Modern Europe

### 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	20th-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 U.S. from 1941 to 1975

### Topical Studies in U.S. History

HIST 20763	U.S. Military History
HIST 30603	History of Women in America
HIST 30613	History of Working People in America
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
- HIST 40873 The Civil Rights Movement in America

**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 (Honors)
- HIST 20613 The American Mind Since 1877 (Honors)
- 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

**History Courses**

**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 20613 - The American Mind Since 1877 (Honors)**

Prerequisites: Honors standing. HIST 20613 covers the same era as HIST 10613 but emphasizes interdisciplinary themes of American intellectual history developed in Honors Intellectual Traditions or Honors Western Civilization courses. The course will focus upon how various ideas and issues within the American experience following the Civil War and national westward expansion influenced U.S. history and helped create a distinctly American culture and intellectual tradition. Though a strong historical narrative will be evident, the course will include literature, politics, sociology, religious studies, demography, 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30253 - Popular Culture in Early Modern Europe**

Prerequisites: HIST 10213 or equivalent is recommended. While traditional history courses focus on major political and economic trends and individuals, this course addresses the culture, beliefs, and activities of ordinary people: the peasants, artisans, and laborers who made up the vast majority of the population in early modern Europe (1300-1800). Topics include food and festivity, witchcraft, popular religion, death, sexuality, and crime.

**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 30383 - Experiences and Encounters: Paris and Madrid, 1880-1940**

This study-abroad course has as its focus the historical trajectories of Paris and Madrid in the late nineteenth and early twentieth centuries, and is taught in conjunction with ENGL 40553, Studies in Nineteenth-Century American Literature: American Writers in Paris and Madrid. The two courses together will explore the experience of travel to Europe for Americans in this period, the narratives they wrote about their travel, and the historical context of these experiences. With the cities of Paris and Madrid as a kind of "traveling classroom" to showcase the factual and physical context of these narratives, students in HIST 30383 will gain a familiarity with the principal historical developments surrounding Paris and Madrid in the nineteenth and twentieth centuries, the perceived and real differences between the two cities, and how this historical context shaped the experiences of the writers featured in the English course. This course will use historical sources alongside the literary texts of the English course as catalysts for studying the history and culture of their two cities.

**HIST 30393 - Totalitarianism in Europe**

This course examines the most significant examples of the failure of nineteenth-century liberalism in Europe: the rise in the twentieth century of Stalin's Soviet Union, Hitler's Nazi Germany and Mussolini's Fascist Italy. Topics include a comparative analysis of their ideologies, their leaders' seizure of power, the initiatives and policies implemented at home and abroad, as well as the collapse of the Nazi and Fascist regimes and the survival of Stalin's Soviet system at least until his death.

**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 30603 - History of Women in America**

This course analyzes the roles of women in American history since 1492. It examines the history of women in America primarily as they have intersected with the public realm - employment, politics, reform, war - but also considers women at home in their roles as daughters, wives, and mothers.

**HIST 30613 - History of Working People in America**

This course analyzes the roles of working people in American history since the colonial period. It examines men and women in the various ways that they have made their livings, from farming to domestic work to manufacturing. The course pays particular attention to the way in which ethnicity has affected people's employment.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 36990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian

University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 to 1900**

Surveys the U.S. conquest of its trans-Mississippi domain. Topical study includes indigenous peoples, exploration, fur trade, mineral rushes, immigration, Mormons, railroad construction, cattle industry, farming, and the region's economic, political, social, and cultural integration into the nation. (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 40813 - American West since 1900**

Surveys the 20th-century history of the trans-Mississippi United States. Topical study of natural resource development, military-industrial development, border and immigration issues, political movements, gender, indigenous people, and the West in popular culture.

**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 40873 - The Civil Rights Movement in America**

Prerequisites: HIST 10603, 10613 or 10703. This course outlines the basic problems and challenges of modern race relations, grassroots protest and social reform during the crucial era in U.S. history known as the Civil Rights Movement. By focusing on the key figures, events, and issues that defined the movement, this course traces the various political, economic, social, intellectual, and moral transformations that have taken place in contemporary American culture, politics and society from 1945 to present.

**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.

**Latino/a Studies**

Latino/a studies is available as a minor on both the BA and BS degrees. Latina/o studies is an interdisciplinary program that critically examines cultural, political, historical, religious and social conditions of Latina/o communities in the United States, providing students a larger awareness of diversity in the U.S. society.

**Latino/a Studies Minor**

The Latino/a studies minor requires 18 hours to include Introduction to Latina/o Studies. The remaining 15 hours are to be chosen from at least three different departments. Currently, approved courses include:

ANTH 30333	Mexican American Literature and Culture in the Borderlands (Also ENGL 30713)
ANTH 30703	Archaeology of Mexico and Peru
ANTH 30923	Studies in Anthropology: Dynamics of Mexican-American Culture
ANTH 30923	Studies in Anthropology: Mexican-American Folklore
CRJU 30843	Race Issues in CRJU
HIST 30923	The United States and Latin America
POSC 30103	Topics in American Politics: U.S. Immigration Politics and Policy
POSC 30103	Topics in American Politics: Latino Politics
POSC 20123	Race, Ethnicity and Politics in the United States
RELI 30463	Being Latina/o and Religious in the United States
RELI 30843	Latina Religious Feminist Thought
SOCI 30343	American Minority Groups
SPAN 31803	Service Learning in the Latino Community
SPAN 42003	Hispanic Literature of the USA

Other courses may be applied to the minor with the approval of the minor coordinator or the associate dean of AddRan College.

## Latina/o Studies Courses

### LTNO 20003 - Introduction to Latina/o Studies

This course is an introduction to the study of characteristics and experiences of the Latina/o community in the United States. As we review the historical, social, political, religious, anthropological aspects, among others, we will evaluate the diversity within the community in order to locate this group within the United States society. Finally, we will concentrate on topics that are relevant to this group, like immigration, transnationalism, popular culture, among others.

## Latin American Studies Courses

### LAST 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### 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.

## Military Science

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 a student's major and is designed to prepare qualified, high-potential students for service as commissioned officers in the U.S. 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. Non-scholarship students enrolling in only freshman- and sophomore-level classes incur no obligation to serve in the military after graduation.

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 a fully funded educational delay.

Four-year, three-year and two-year programs are offered. Each program includes the option for qualified students to benefit from a 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;
- Have a minimum GPA of 2.01 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 six-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.

## Military Science Scholarships

Four-year, three-year and two-year scholarships are available to qualified applicants. Scholarships are full tuition. Scholarships can be applied toward tuition and mandatory fees, and provide \$1,200 per year for books. The scholarship also provides a cash stipend for each month the student participates in full-time on-campus instruction (limited to 10 months each year). The stipend amount varies by class year, ranging from \$300 for freshman to \$500 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 years. 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 apply early. Completed applications must be received at the evaluation center before January 10 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 are required to satisfactorily complete a paid six-week summer training session prior to entering school in the fall semester.

## Nursing Scholarships

The Army ROTC provides four and a half-, four-, three- and two-year scholarships for students interested in becoming officers in the U.S. Army Nurse Corps. Application forms and information about these scholarships may be obtained by calling 817.257.7455, or writing:

### Department of Military Science

Texas Christian University  
TCU Box 298910  
Fort Worth 76129

### Tuition Assistance

The Office of Financial Aid and Scholarships can provide further information.

## Military Science Curriculum

The curriculum consists of the Basic Course and the Advanced Course described previously under the Four-Year Program and further described below.

The Basic Course should include MILS 10041, 10081, 20042 and 20092. Leadership Lab is required for all courses listed. The Advanced Course should include 30053, 30063, 40053 and 40063.

### 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.

### Pass/No-Credit Option

Military science classes may not be taken on the Pass/No Credit basis.

## Military Science 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. A number of salaried and fully funded graduate programs are also available to top academic performers and medical school applicants who complete the ROTC curriculum.

## Military Science 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, 3:30-5 p.m., during the semester and provides leadership training, military skills and tactical 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 upper-class cadets who are responsible for planning and executing each lab period under the guidance of seasoned Army officers and noncommissioned officers.

## Military Science Courses

### MILS 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.

### MILS 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. Included is a field trip, where students are exposed to on- and off-duty Army life and have the opportunity to observe new combat arms lieutenants in action.

### MILS 10081 - Introduction to Leadership II

Spring. One class per week. 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.

### MILS 20042 - Basic Leadership I

Fall. One class per week. Challenges the student to become tactically and technically proficient. Students study the military element of power, learn and practice first aid, use light infantry tactics, and gain a fundamental knowledge of map reading. Prerequisite: Concurrent or past enrollment in MILS 10041 or permission of the department chair.

### MILS 20092 - Basic Leadership II

Spring. One class 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 MILS 10041 Introduction to Military Science or permission of the department chair.

### MILS 20970 - Special Topics in Military Science

Fall/Spring. Special study opportunities as directed by the Department Chairman. (1-6 semester hours.)

### MILS 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### MILS 30053 - Intermediate Leadership I

Fall. One class 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.

### MILS 30063 - Intermediate Leadership II

Spring. One class 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 MILS 30053 or permission of department chair.

### MILS 30970 - Directed Studies in Military Science

Fall/Spring. Opportunity for independent study as directed by the instructor prior to enrollment. (1-6 semester hours)

### MILS 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### MILS 40053 - Advanced Leadership I

Fall. One class 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 MILS 30053 and 30063 or permission of department chair.

### MILS 40063 - Advanced Leadership II

Spring. One class 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 MILS 30053 and 30063 or permission of department chair.

## Modern Languages and Literatures

Majors are available in modern language studies with specializations in German and French. Minors are available in French, German, Italian and Japanese. Language study is also available in Chinese. 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 University Core Requirements 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 adviser in the Department of Modern Languages and Literatures and 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). Consult the TCU Credit by Exam booklet, available through the Office of Admission, for details. Note: Students entering the program at a certain level may not receive credit for coursework taken below that level.

Lower division courses taught in the target language are not open to heritage and native speakers. For upper-level courses, see individual course listings for specific limitations.

**Resident Study Abroad**

The Department of Modern Languages and Literatures strongly supports study abroad 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. For additional information, consult the department chair and the foreign study adviser. A maximum of nine credit hours transferred from study abroad programs may be counted toward the French minor.

**Modern Language Studies Major Requirements**

The BA with a major in modern language studies requires 30 semester hours in a combination of modern language courses and area studies courses. Each student forms a program of study in consultation with a faculty adviser in the Department of Modern Languages and Literatures. Students may concentrate in German or French.

**General Requirements**

To earn a major in modern language studies, students must complete a total of 30 hours in language courses and interdisciplinary courses from other departments. Students must complete 15-18 hours in their language of specialization at the 30000 level or above. In order for these courses to count toward the major, they must be taught in the relevant language.

In addition, students must complete 12-15 hours of courses that are thematically related to their language of specialization. These courses may be chosen from the list of approved courses in each language field, but others may also be counted, with the approval of the major adviser. These courses must come from a minimum of two departments.

**German Specialization Courses**

15-18 hours of German at the 30000 level or above, plus 12-15 hours to be selected from:

- COMM      Communicating Interculturally \*
- 30253
- ECON 30453    Economics of the European Union
- GEOG 30533    Geography of Western Europe
- HIST 10213    The World Expanded: Europe 1348-1789
- HIST 10223    Modernization and Its Discontents: Europe 1789 to the Present
- HIST 20213    Europe 1348-1789: Honors
- HIST 20223    Europe 1789-Present: Honors
- HIST 30203    The Renaissance and Early Modern Europe
- HIST 30253    Pop Culture in Early Modern Europe
- HIST 30303    The Age of Great Transformation: Europe 1815-1872
- HIST 30363    Modern Germany, 1815 to the present
- HIST 30323    Peace or Pause?: Europe, 1919-1945
- HIST 30333    A Whole New World: Europe Since 1845
- HIST 30970    Topics (when relevant)
- MOLA 30023    Introduction to Linguistics
- PHIL 40223    History of Modern Philosophy \*
- PHIL 40233    History of Continental Philosophy in the 19th and 20th Centuries \*
- PHIL 30373    Existential Philosophy \*
- POSC 30303    Topics in International Politics (when relevant)
- POSC 30503    Topics in Comparative Politics (when relevant)
- RELI 30333    Christian Tradition: Reformation to Modernity
- RELI 40700    Religion in Geographical Context (when relevant)
- ART 10043    Introduction to Art History
- ART 20103    17th- and 18th-Century European Art
- ART 20603    Art History on Site (when relevant)
- ART 30193    Northern Renaissance Painting: Van Eyck-Bruegel
- ART 30333    Modern Art I: Romantic Classicism to Impressionism
- ANTH 20643    Language and Culture
- MUSI 10053    Survey of Music
- MUSI 10063    World Music
- MUSI 20613    Ancient, Medieval, Renaissance
- MUSI 30613    History of Music: Baroque and Classic

- MUSI 30623    History of Music: Romantic to 20th Century
- MUSI 50413    Opera Literature
- MUSI 50473    Song Literature
- THEA 30103    Theater History I
- THEA 30113    Theater History II
- Others with approval

**French Specialization Courses**

15-18 hours of French at the 30000 level or above plus 12-15 hours to be selected from:

- COMM      Communicating Interculturally \*
- 30253
- ECON 30453    Economics of the European Union
- GEOG 30533    Geography of Western Europe
- HIST 10213    The World Expanded: Europe 1348-1789
- HIST 10223    Modernization and Its Discontents: Europe 1789 to the Present
- HIST 20213    Europe 1348-1789: Honors
- HIST 20223    Europe 1789-Present: Honors
- HIST 30203    The Renaissance and Early Modern Europe
- HIST 30253    Pop Culture in Early Modern Europe
- HIST 30303    The Age of Great Transformation: Europe 1815-1872
- 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 30970    Topics (when relevant)
- MOLA 30023    Introduction to Linguistics
- PHIL 40223    History of Modern Philosophy \*
- PHIL 40233    History of Continental Philosophy in the 19th and 20th Centuries \*
- PHIL 30373    Existential Philosophy \*
- POSC 30303    Topics in International Politics (when relevant)
- POSC 30503    Topics in Comparative Politics (when relevant)
- RELI 30333    Christian Tradition: Reformation to Modernity
- RELI 40700    Religion in Geographical Context (when relevant)
- ART 10043    Introduction to Art History
- ART 20103    17th- and 18th-Century European Art
- ART 20603    Art History on Site (when relevant)
- ART 30333    Modern Art I: Romantic Classicism to Impressionism
- ART 30343    Van Gogh to Dali \*\*
- ART 30353    Picasso \*\*
- ANTH 20643    Language and Culture
- MUSI 10053    Survey of Music
- MUSI 10063    World Music
- MUSI 20613    Ancient, Medieval, Renaissance
- MUSI 30613    History of Music: Baroque and Classic
- MUSI 30623    History of Music: Romantic to 20th Century
- MUSI 50413    Opera Literature
- MUSI 50473    Song Literature
- THEA 30103    Theater History I
- THEA 30113    Theater History II
- Others with approval

**French Minor**

The French minor requires a minimum of 18 semester hours, exclusive of courses on the 10000 level, and including at least one 40000-level course with literary or cultural content.

**German Minor**

The German minor requires a minimum of 18 semester hours, exclusive of courses on the 10000 level. GRMN 30053-30063 are prerequisites to all higher-numbered courses. All courses in the language sequence except GRMN 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. Only one German course taught in English (for example, GRMN 20973 Honors: The Afterlife of the Classical Greek Tradition) may be counted toward the minor.

**Japanese Minor**

The Japanese minor requires 18 semester hours, including language courses JAPN 10153, 10163, 20053, 20063, 30123 and 30113. All courses in the language sequence require as prerequisite satisfactory completion of the previous semester.

**Italian Minor**

A minimum of 18 semester hours in Italian, exclusive of courses on the 10000 level.



## French Teacher Certification

Students seeking Texas teaching certification with an elementary specialization or secondary teaching field in French must take the Texas Oral Proficiency Test (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 coursework and certification requirements, may be recommended for a general elementary certificate or a single secondary teaching field.

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.

Students seeking certification for teaching French at the secondary school level should be advised by the departmental secondary certification adviser. Specific requirements for French as a teaching field are:

FREN 10153 First Semester College French	3
FREN 10163 Second Semester College French	3
FREN 20053 Third Semester College French	3
FREN 20063 Fourth Semester College French	3
FREN 30053 Intermediate Reading and Writing	3
FREN 30063 Readings in selected French genres	3

Select six hours from the following:

FREN 30033,30043,40073,40083,40093,30153,30163,30253,40123,40163,40173,40970, 50033 (when available)	6
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*Total hours* 18-24

For more information regarding elementary and secondary teacher certification in French, see the College of Education section on page 74 of this catalog.

## Modern Languages and Literatures Course Subcategories

### Chinese

CHIN 10153	Beginning Chinese I
CHIN 10163	Beginning Chinese II
CHIN 10173	Beginning Chinese III
CHIN 20063	Intermediate Chinese II

### 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 30073	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: Study Abroad
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	Studies in French Literature I
FREN 40083	Studies in French Literature II
FREN 40123	Seminar in French Studies
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

### German

GRMN 10053	German for Reading
GRMN 10063	German for Reading
GRMN 10153	First Semester College German

GRMN 10163	Second Semester College German
GRMN 10173	Third Semester College German
GRMN 20063	Fourth Semester College German
GRMN 20123	Topics in German Culture
GRMN 20973	Honors: The Afterlife of the Classical Greek Tradition
GRMN 20983	Honors: The Afterlife of the Classical Roman Tradition
GRMN 30053	German Geography, Culture and Language
GRMN 30063	German Politics, Culture and Language
GRMN 30173	German Culture in Cologne, the Rhineland and Beyond
GRMN 30193	Introduction to German Literature
GRMN 40023	Culture and Civilization
GRMN 40970	Directed Study
GRMN 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 20123	Italian Culture from Unification to the Present
ITAL 30970	Italian - Study Abroad
ITAL 30053	Intermediate Composition and Conversation
ITAL 30063	Italian Culture as Reflected in Italian Cinema
ITAL 30083	La Novella Italiana

### 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 20990	Italian Culture from Unification to the present
JAPN 30113	Japanese Culture and Civilization
JAPN 30123	Japanese for Daily Use
JAPN 40970	Directed Study: Japanese

## Chinese Courses

### CHIN 10153 - Beginning Chinese I

This is an introductory Chinese course for students with no or little prior experience in standard Mandarin. It provides students a solid training in all four skills -- listening, speaking, reading and writing, with emphasis on practicing pronunciations and building vocabulary, as well as acquiring fundamental grammatical structures. In addition, Chinese cultures will be briefly taught throughout the class. No prerequisite.

### CHIN 10163 - Beginning Chinese II

Prerequisite: CHIN 10153 with a C- or better. This course continually covers basic Mandarin Chinese to students who have already taken a semester in Chinese. It continues strengthening integrated training in all four skills -- listening, speaking, reading and writing, but more efforts will be given to spoken and reading practicing. In addition, Chinese cultures will be briefly noted throughout the class.

### CHIN 10173 - Beginning Chinese III

Prerequisite: CHIN 10163 with a C- or above, or approval of instructor. CHIN 10173 continues the development of Chinese language skills at the novice level. Students will develop their vocabulary for everyday situations such as dining, asking directions, consulting a doctor, dating, etc. In addition, students will learn to write approximately 250 additional Chinese characters and continue study of intermediate grammar structures.

### CHIN 20063 - Intermediate Chinese

Prerequisite: CHIN 10173 with a grade of C- or better, or approval of the instructor. CHIN 20063 continues to develop students' Chinese proficiency in all four skills of speaking, listening, reading, and writing. Students will learn to write in paragraphs, creating documents such as simple letters, diaries, or other short texts. Vocabulary and language structures related to renting an apartment, sports, conducting transactions in the post office, travel, etc., are treated. Additional Chinese characters will be learned.

### CHIN 30113 - Chinese Civilization and Culture

This course provides an overview of Chinese culture and civilization. Major topics such as the Chinese language, history, philosophy, religion, literature and the arts, as well as contemporary issues, will be studied. The course encourages students to become maximally involved in class discussions about topics assigned or lectured. No prerequisite is required. This course is taught in English.

**CHIN 30970 - Directed Study in Chinese**

Prerequisites: permission of instructor. Opportunity for independent study in Chinese language or culture. Topic and credit hours to be determined at time of registration

**CHIN 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**French Courses**

**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 with a grade of C- or better..

**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 with a grade of C- or better, or permission. Continuation of FREN 10153.

**FREN 20053 - Third Semester College French**

Prerequisite: FREN 10163 with a grade of C- or better, 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 with a grade of C- or better, 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**FREN 30003 - Junior Honors Seminar**

Junior Honors Seminar.

**FREN 30033 - Phonetics**

Prerequisite: FREN 20053-20063, with grades of C- or better, 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 with a grade of C- or better, 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 30063 or 30073. Not open to heritage or native French speakers.

**FREN 30063 - Readings in Selected French Genres**

Prerequisite: FREN 20063, with a grade of C- or better, 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. Not open to heritage or native French speakers.

**FREN 30073 - Intermediate Reading and Writing**

Prerequisite: FREN 30063, with a grade of C- or better, or permission. This course supports the reading strategies and skills taught in FREN 30063 and emphasizes the development of writing skills in French, building on oral and listening comprehension skills developed in previous courses. Students will develop their writing skills to prepare them to write essays on topics of current interest as well as conduct literary analyses. Not open to native French speakers.

**FREN 30153 - French Culture and Civilization I**

Prerequisite: FREN 30063 with a grade of C- or better, 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 30073 with a grade of C- or better, or permission. Continuation of 30153 from the revolution of 1789 to the present day.

**FREN 30176 - French Culture and Civilization: Study Abroad in France**

Prerequisite: FREN 20063 with a grade of C- or better. A summer course conducted by TCU in France or other francophone country. The course offers students the opportunity to improve linguistic and cultural proficiency by interacting directly with culture and native speakers. Students will study topics related to the region in which the program is held.

**FREN 30183 - Introduction to French Cinema**

Prerequisite: FREN 20063 with a grade of C- or better, 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 with a grade of C- or better, 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**FREN 34990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30063-30073 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 - Studies in French Literature I**

Prerequisite: FREN 30073 with a grade of C- or better, or permission. This course will examine francophone literary texts from the Middle Ages through the 17th century. The choice of texts may vary each semester and focus on a particular genre, theme, or region. Includes techniques of literary analysis and interpretation.

**FREN 40083 - Studies in French Literature II**

Prerequisite: FREN 30073 with a grade of C- or better, or permission. This course will examine francophone literary texts from the 18th century to the present. The choice of texts may vary each semester and focus on a particular genre, theme, or region. Includes techniques of literary analysis and interpretation.

**FREN 40123 - Seminar in French Studies**

Prerequisite: FREN 30073 with a grade of C- or better, or permission. A specific author, genre, period or theme will be chosen for study.

**FREN 40143 - Non-European French Prose and Poetry**

Prerequisite: FREN 30073 with a grade of C- or better, 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 30073 with a grade of C- or better, 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 30063 with a grade of C- or better. 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 30073 with a grade of C- or better, 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 30073 with a grade of C- or better, 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.

**German Courses****GRMN 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.

**GRMN 10063 - German for Reading**

Prerequisite: GRMN 10053 with a grade of C- or better, or permission. Continues GRMN 10053.

**GRMN 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.

**GRMN 10163 - Beginning German II**

Prerequisite: GRMN 10153 with a grade of C- or better, or appropriate score on the CLEP test, AP exam or G-CAPE placement test, or permission. Continues GRMN 10153. Further develops the skills of listening, comprehension, speaking, reading, and writing. Includes regular language laboratory assignments.

**GRMN 10173 - Beginning German III**

Prerequisite: GRMN 10163 with a grade of C- or better, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. Continues GRMN 10163. Further develops the skills of

listening comprehension, speaking, reading, and writing. Includes regular language laboratory assignments.

**GRMN 20063 - Intermediate German**

Prerequisite: GRMN 10173 with a grade of C- or better, 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.

**GRMN 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.

**GRMN 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.

**GRMN 20983 - Honors: The Afterlife of the Classical Roman Tradition**

Prerequisites: Must be in Honors Program. Students will examine examples from modern literature, film, architecture, art, historiography, and archaeology that are not just a recuperation of the classical Roman past but also a critical appropriation of it. Students discover how the past is used to understand our present.

**GRMN 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**GRMN 30053 - German Geography, Culture, and Language**

Prerequisite: GRMN 20063 with a grade of C- or better, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. This course and GRMN 30063 may be taken in any sequence and either counts as a recommended prerequisite to all other higher-numbered courses in German. It is not open to students whose native language is German. Extensive development of the language skills acquired in GRMN 10153-10163 and 10173 (20053)-20063 or other elementary and intermediate training. Topical focus on geography and culture.

**GRMN 30063 - German Politics, Culture and Language**

Prerequisite: GRMN 20063 with a grade of C- or better, or appropriate score on the CLEP test, AP exam, or G-CAPE placement test, or permission. This course and GRMN 30053 may be taken in any sequence and either counts as a recommended prerequisite to all other higher-numbered courses in German. It is not open to students whose native language is German. Extensive development of the language skills acquired in GRMN 10153-10163 and 10173 (20053)-2006 or other elementary and intermediate training. Topical focus on politics and culture.

**GRMN 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 GRMN 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.

**GRMN 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**GRMN 40023 - German Culture and Civilization**

Prerequisite: GRMN 30053 or GRMN 30063 with grades of C- or better, 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.

**GRMN 40193 - Introduction to German Literature**

Prerequisite: GRMN 30053 or GRMN 30063 with grades of C- or better, 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.

**GRMN 40970 - Directed Study**

Prerequisite: Permission of instructor. 1-6 hours

**GRMN 50033 - The Teaching of Modern Foreign Languages**

Prerequisite: junior standing, and GRMN 30053 or GRMN 30063 with a grade of C- or better, 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.

**Italian Courses**

**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 with a grade of C- or better, or permission. Continuation of 10153.

**ITAL 20053 - Third Semester College Italian**

Prerequisite: ITAL 10163 with a grade of C- or better, 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 with a grade of C- or better, 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 20123 - Italian Culture from Unification to the Present**

By taking a detailed look at the social and historical backdrop to major moments and events in the modern history of Italy, this course will examine Italian culture through a historical filter, from the period of Unification to today. We will look at historical and cultural readings; literature; films; newspaper articles; high and low art; and political manifestos; as well as secondary readings that interpret and/or criticize these primary texts. The course seeks to enhance students' reading, analytical, and writing skills. The language of instruction is English and all readings will be in English. Films are in Italian with English subtitles.

**ITAL 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**ITAL 30053 - Intermediate Conversation and Composition**

Prerequisites: ITAL 20063 with a grade of C- or better, or permission. Continuing development of the language skills acquired in ITAL 10153-10163 and 20053-20063. This course focuses on the review and expansion of grammar topics, with an emphasis on oral presentation and practice in conversational Italian at an intermediate level. Students build their vocabulary through authentic readings. Assignments will include compositions and presentations.

**ITAL 30063 - Italian Culture as Reflected in Italian Cinema**

Prerequisites: ITAL 20063 with a grade of C- or better, or instructor's permission. This course is a study of Italian culture as reflected in Italian cinema. The course, conducted in Italian, has as a primary goal

the improvement of students' knowledge of both contemporary and historical Italy. Spoken and written Italian skills are developed through authentic readings, class discussions and individual presentations. Italian cinema from the 1940's to the present will be covered, emphasizing major directors, such as Visconti, De Sica, Fellini, Tornatore, and Benigni. Topics to be addressed include: the unification of Italy, the North-South divide, fascism, the realities of "La Dolce Vita" or sweet life, regional identity, racism, gender relations, the mafia and immigration.

**ITAL 30083 - La Novella Italiana: Topics in the Italian Short Story**

Prerequisites: ITAL 30053. This course examines the genre of the novella, the Italian short story. In this course, we will explore the development of the genre within a specific time period (for example: Medieval-Renaissance, Baroque-early 19th Century, or mid-19th Century-present) and socio-cultural backdrop of the Italian literary scene of that period. This course fulfills the (VEM) writing emphasis core requirement, as well as the (LT) literary traditions core requirement; thus, requirements include several short papers and a longer research paper in the field of Italian literature. This course counts toward the minor in Italian. This course is taught entirely in Italian.

**ITAL 30970 - Independent Study in Italian**

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.)

**ITAL 30980 - Independent Study in Italian**

Prerequisites: ITAL 20063 with a grade of C- or better, or permission. This course offers the opportunity for a student to pursue independent studies in Italian culture, language or literature. Topic and credit hours to be arranged by supervising faculty member and student.

**ITAL 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**Japanese Courses**

**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 with a grade of C- or better, or permission. Continues JAPN 10153.

**JAPN 20053 - Third Semester College Japanese**

Prerequisite: JAPN 10163 with a grade of C- or better, 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 with a grade of C- or better, or permission. Continues JAPN 20053.

**JAPN 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 with a grade of C- or better, or permission. This course is designed to advance students' overall ability in Japanese. Journal writing and speech making are emphasized.

**JAPN 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**JAPN 40970 - Directed Study: Japanese**

Prerequisite: Permission of instructor. Opportunity for work on one's own under supervision. (1-6 semester hours).

**Modern Languages Courses****MOLA 20141 - Intercultural Perspectives for Study Abroad**

Prerequisites: Enrollment in the Certificate for International Studies Program. 2 hours per week for eight weeks. Intercultural learning is an area of research, study and application of knowledge about different cultures in order to raise awareness and to improve interactions. In this seminar, intercultural learning is approached from various disciplines in order to introduce the breadth and depth of knowledge and skills needed to become interculturally competent. The course is intended to help prepare students for a future study abroad experience. The course will address both theoretical information and practice applications, such as learning to live with people from different cultures, understanding cultural and global issues, learning to communicate with people from various cultures, and viewing global issues from varying viewpoints. (Pass/No Credit grading.)

**MOLA 30023 - Introduction to Linguistics**

Prerequisite: Junior standing. Survey of major areas of linguistics: sound systems, language universals, and language in society as well as an introduction to psycholinguistics and how the brain processes language.

**Philosophy**

Philosophy is available as a major on the BA degree and as a minor on both the BA and BS degrees. Philosophy is the systematic study of fundamental life issues. It deals with the application of logical reasoning to topics such as human nature, ethics, mind and knowledge. Students who study philosophy have the opportunity to acquire superior skills of logical analysis, argumentation, and written and oral expression. 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. They also take with them numerous lessons from their studies that enable them to live in a way that is both more successful and more fulfilling.

**Honors Program**

Philosophy majors who plan to pursue Departmental Honors must be members of the University 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.)

**Philosophy Major Requirements**

The BA with a major in philosophy requires 24 semester hours in philosophy with at least six in topical studies, six in historical studies and three 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 Department of Philosophy.

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 TCU Core Curriculum writing emphasis requirement (see this catalog's core curriculum section on page 44 on writing emphasis).

**Philosophy Minor**

The minor in philosophy requires 18 semester hours in philosophy with at least three hours in each of the three divisions (topical, historical and logical studies). At least nine hours must be at the 40000 level or above. Selection of courses should be made in consultation with the designated adviser for the Department of Philosophy.

**Philosophy Course Subcategories****Courses of Instruction**

PHIL 10533 Freshman Seminar in Philosophy

**Topical Studies**

PHIL 10003 Philosophy One  
 PHIL 10103 Mind, Meaning and Morality  
 PHIL 20213 Philosophy and Film  
 PHIL 30003 Junior Honors Seminar  
 PHIL 30313 Moral Problems  
 PHIL 30323 Philosophy of Religion  
 PHIL 30333 Asian Philosophy  
 PHIL 30353 Political Philosophy  
 PHIL 30363 Ethics and Health Care  
 PHIL 30373 Existential Philosophy  
 PHIL 30393 Philosophy of Mind  
 PHIL 30403 Environmental Philosophy  
 PHIL 30413 Introduction to Philosophy of Law  
 PHIL 30423 Introduction to Epistemology  
 PHIL 30433 Introduction to Philosophy of Science  
 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 Advanced Issues in Philosophy of Law  
 PHIL 40353 Seminar in Political Philosophy  
 PHIL 40373 Art and the Aesthetic  
 PHIL 40383 Advanced Topics in Human Nature  
 PHIL 40393 Ethical Theory  
 PHIL 40403 Seminar in Epistemology  
 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

**Philosophy Courses****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 10103 - Mind, Meaning and Morality**

This course provides an introduction to philosophy focused on the metaphysical and ethical questions: What (who) are we? What should we do? What makes life meaningful? Answers from various figures in Western thought will be compared and evaluated, providing a basis for further study of these areas at the 30000 level. Note: Credit not awarded for both PHIL 10003 and PHIL 10103.

**PHIL 10433 - Freshman Seminar in Philosophy**

Topics may vary each time course is offered.

**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 20213 - Philosophy and Film**

Students will examine and critically evaluate important philosophical ideas as they are expressed in film. Students will watch films and read accompanying philosophical texts that deal with perennial philosophical questions.

**PHIL 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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: Any 10000-level course in Philosophy or HHIT 20123. 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: Any 10000-level course in Philosophy or HHIT 20123, 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 30353 - Political Philosophy**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123. 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: Any 10000-level course in Philosophy or HHIT 20123, 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: Any 10000-level course in Philosophy or HHIT 20123. 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 30393 - Philosophy of Mind**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123. 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: Any 10000-level course in Philosophy or HHIT 20123. 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: Any 10000-level course in Philosophy or HHIT 20123. 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 30423 - Introduction to Epistemology**

Prerequisites: Any 10000-level course in Philosophy, or permission of the instructor. A systematic examination of the central issues in epistemology (e.g., the nature and structure of knowledge, and external-world skepticism), focusing on a series of papers by leading philosophers in epistemology.

**PHIL 30433 - Introduction to the Philosophy of Science**

Prerequisites: Any 10000-level course in Philosophy or permission of the instructor. A systematic examination of the central issues in the philosophy of science (e.g., theory confirmation in science, and scientific explanation), focusing on a series of papers by leading philosophers in the philosophy of science (for instance, Carl Hempel and Thomas Kuhn).

**PHIL 30970 - Philosophical Studies**

Prerequisite: Permission of instructor. Topics vary as announced. May be repeated for credit. 1-6 hours

**PHIL 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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: Any 10000 level course 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: Any 10000-level PHIL course, and any 30000-level PHIL course, 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**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123, 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 live sciences and the social sciences?

**PHIL 40343 - Advanced Issues in Philosophy of Law**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123, and PHIL 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 40353 - Seminar in Political Philosophy**

Prerequisites: At least one of the following courses: PHIL 30313, PHIL 30353, or PHIL 30413, or permission of instructor. A philosophical analysis of some selected topics that are central to political philosophy. Topics may include a discussion of the nature of human rights, the nature and limit of political authority, analysis of the problem of political obligation, the moral value of freedom and autonomy, and the meaning and nature of justice.

**PHIL 40373 - Art and the Aesthetic**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123. 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**

Prerequisite: Any 10000-level course in Philosophy or HHIT 20123, 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 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 50970 - Directed Studies in Philosophy**

Prerequisite: Permission of instructor.

## Political Science

Political science is available as a major and a minor on both the BA and BS degrees. The Department of Political Science offers students options for course concentrations in the following subfields:

- American Politics
- Political Theory
- International Politics
- Comparative Politics
- Public Law

- Research Methods
- Public Affairs Internships

**Honors Program**

Political science majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in POSC 30003 during their junior year and POSC 40003 during the fall semester of their senior year.

**Political Science Major Requirements**

**Bachelor of Arts with a Major in Political Science**

The BA with a major in political science requires 30 hours of political science courses passed with a grade of "C" or better and a maximum of 13 hours below the 30000 level.

The degree requires POSC 20203 and any two of the following: POSC 20093, 20303, 20403, 20503 and 20123 or POSC 20144. (Students cannot receive credit for both POSC 20123 and 20144.) The degree also requires POSC 30203 plus any 15 adviser-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 BA degree is acceptable.

**Bachelor of Science with a Major in Political Science**

The BS with a major in political science requires 30 semester hours of political science courses passed with a grade of "C" or better and a maximum of 13 hours below the 30000 level.

The degree requires POSC 20093, either POSC 20123 or 20144 (students cannot receive credit for both POSC 20123 and 20144), and one of the following: POSC 20203, 20303, 20403 or 20503. The degree also requires POSC 30093 and 30103, plus any 12 adviser-approved, 30000-level political science hours and one three-hour political science elective.

*6 hours of Associated Requirements:*

ECON 10233      Introductory Macroeconomics

*Three hours from:*

INSC 20153      Statistical Analysis  
 MATH 10043      Elementary Statistics  
 MATH 10283      Applied Calculus  
 MATH 10524      Calculus I

Students intending to do graduate work in the social sciences or business are encouraged to take the BS degree program. It is also recommended for students interested in employment in government and politics. 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 BS degree is acceptable.

**Bachelor of Arts in Political Science with Emphasis in International Relations**

The BA in political science with emphasis in international relations requires 30 hours of political science courses passed with a grade of "C" or better and a maximum of 13 hours below the 30000 level.

The degree requires POSC 20203, 20303 and 20503, and one of the following: POSC 20093, 20123 or 20144. (Students cannot receive credit for both POSC 21023 and 20144.) The degree also requires either POSC 30093 or POSC 30203. The degree also requires POSC 30503 and any one of the following: POSC 30303, 30313 or 30323, plus any nine adviser-approved, 30000-level political science hours.

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 either the Asian studies minor, the British and Colonial/Post-Colonial studies minor or an interdisciplinary minor, which consists of 18 semester hours selected from the following groups:

- Third-year foreign language (up to six hours—six hours required if the student has no foreign language minor);
- Upper-division international ECON or adviser-approved, upper-division ECON (at least three and up to six hours); and
- Upper-division, international-related courses from ANTH, GEOG, HIST, JOUR or RELI, selected with adviser approval (at least nine hours).

Students also pursuing a foreign language minor may count their third year foreign language courses toward this interdisciplinary 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.

**Political Science Minor**

A political science 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 10 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.

**Political Science Teaching Certification**

Students seeking certification for teaching political science/government at the secondary school level should be advised by the departmental secondary certification adviser. Specific requirements for political science as a teaching field include:

POSC 10133 American and Texas Government or	
POSC 20144 Practicing American and Texas Politics	3
POSC 20093 Scope and Methods of Political Science	3
POSC 20203 Introduction to Political Theory or	3
POSC 20303 International Politics	3
POSC 30103 Topics in American Politics	3
POSC 30303 Topics in International Politics	3
POSC 30403 Topics in Public Law	3
POSC 30503 Topics in Comparative Politics	3
<i>Total</i>	<b>24</b>

**Political Science 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.

**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 non-credit preparatory seminar in the spring. Students may earn up to 15 hours of credit through this program, which is multidisciplinary and available to students in any major field.

**Political Science Course Subcategories**

**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
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POSC 20123	Issues in American Politics
POSC 20144	Practicing American and Texas 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 20403	Introduction to Public Law
POSC 30403	Topics in Public Law

**Comparative Politics**

POSC 20503	Introduction to Comparative Politics
POSC 30503	Topics in Comparative Politics

**Independent Study**

POSC 40910	Washington Internship
POSC 40950	Internship in Political Science
POSC 40960	Civic Literacy Internship
POSC 40970	Independent Study in Political Science

**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 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.

**Political Science Courses**

**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, MATH 10283 or MATH 10524. 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. Students cannot receive credit for both POSC 20123 and POSC 20144.

**POSC 20144 - Practicing American and Texas Politics**

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. Students cannot receive credit for both POSC 20123 and POSC 20144.

**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 20403 - Introduction to Public Law**

Introduction to the essential elements of U.S. law and how law interacts with politics in the American context. The judicial process, substantive concepts and constitutional law are all studied.

**POSC 20503 - Introduction to Comparative Politics**

Introduction to the concepts, theories and literature that enable effective comparison of political phenomena cross-nationally. Both western and non-western examples are examined.

**POSC 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 or Assessing Normative Theories of Politics.)

**POSC 30303 - Topics in International Politics**

Topics studied include such areas as foreign policy, globalization, international political economy, diplomacy and bargaining, and various regional issues.

**POSC 30313 - United Nations Institutions and Processes**

Prerequisite: Permission of the instructor. This course is the first of a two-part series of classes for students participating in Model United Nations. Students will study the history of the United Nations, UN institutions, and current issues that the UN addresses. Students are expected to critically analyze the factors that lead to both successful and unsuccessful action by the UN.

**POSC 30323 - International Organizations Research**

Prerequisite: Permission of the instructor. This course is the second of a two-part series of classes for students participating in Model United Nations. Students will engage in primary-source research on international issues as assigned by the course instructor from the perspective of a country also assigned by the instructor.

**POSC 30403 - Topics in Public Law**

The course sequence includes Judicial Process, International Human Rights, and several courses on American Constitutional Law. A simulation of the U.S. Supreme Court may be offered in alternate years.

**POSC 30503 - Topics in Comparative Politics**

European politics, Asian politics, Latin American politics, Middle Eastern politics, developing political systems, etc.

**POSC 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**POSC 32990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses

appearing on a student's official transcript have been included in the student's grade point average.

**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 TCU in London Program. 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 the TCU in London Program. 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 the TCU in London Program. 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**

Religion is available as a major on the BA degree and as a minor on the BA, BS and BBA 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 of Religion 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 the department encourages 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.

**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 University 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 substitutes in the major for the required Senior Seminar, RELI 40603.

**Religion Major Requirements**

The BA with a major in religion requires 30 semester hours, distributed as follows:

1. Six hours in each of three broad course groups (18 total hours)
  - Communities (historical or phenomenological accounts of religious communities, separately or comparatively);
  - Texts and Ideas (religious texts and discourse; religion in word and thought; religious thinking in historical context); and
  - Society and Culture (religion as it intersects with historical social practices, material cultures, and social constructions).
2. A three-hour capstone Seminar - RELI 40603 or, if pursuing departmental honors, RELI 30003
3. Nine additional elective hours of religion

Additionally, the following requirements must be met within the 30 hours:

- At least three hours must be taken at the 10000 level, and no more than six hours may be taken at that level.
- Three hours must be taken in a specifically designated Sophomore Seminar.
- At least 18 hours must be taken at the 30000 level or above.

**Religion Minor**

The minor in religion requires 18 semester hours with at least one course from each of the three broad course groups: communities, texts and ideas, and society and 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 nine of the 18 hours must be at the 30000 or 40000 level.

**Religion Course Subcategories**

**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 30703	Liberating God: Liberation and Postcolonial Theologies
RELI 40313	The History of Religion in America

**Texts and 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 20903	Sophomore Seminar: Religion and Literature
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 30753	The Many Faces of Krishna

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 and 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 20533	Sophomore Seminar: Life After Death
RELI 20803	Sophomore Seminar: Myth and Ritual on Film
RELI 30163	The Bible at the Movies
RELI 30173	Greco-Roman Religions
RELI 30343	Black Religion in U.S
RELI 30353	History of Evangelicalism in the United States
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 30803	Religion and News Media
RELI 30843	Latina Feminist Religious Thought
RELI 30853	Women in American Religion
RELI 30863	Religion and Violence
RELI 30873	Islam in America
RELI 30893	Caribbean Religions
RELI 40143	Love and Sex in the Biblical World
RELI 40613	Constructive Global Ethics
RELI 40713	Women, Race and Earth: Environmental Justice
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 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

**Greek Courses**

**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)**

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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**GREE 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**GREE 40970 - Directed Studies in Greek**

Prerequisite: permission of instructor. Opportunity for independent study of Hellenistic text. (1-6 semester hours.)

**Religion Courses****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. In 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 20533 - Sophomore Seminar: Life After Death, Comparative Perspectives**

Prerequisites: Religion major or permission of the instructor. Must have completed an introductory religion course. This course will explore the varied ways in which different religions in various historical and cultural contexts address mortality and the question of life after death. By focusing on social constructions of death and post-mortem destiny in different religious traditions, students will encounter a range of beliefs, rituals and sacred narratives.

**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 20903 - Sophomore Seminar: Religion and Literature**

This course explores the present and potential role of novels, religious theory and literary criticism in understanding religion's nature and function. The seminar's focus draws from one of the following three topics: "World Faiths, World Fictions," "Pilgrimage," and "Nonwestern Christianity."

**RELI 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30153 - How to Read the Bible: Story and Politics**

Prerequisite: RELI 10023, 10033, 10043, 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 10023, 10033, 10043, 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 30173 - Greco-Roman Religions**

A survey of the diverse religious landscape of the Greco-Roman world from the end of the Roman Republic through the third century CE, including the official Roman state religion, Dionysiac/Orphic cult, Isis cult, Mithras cult, Greco-Roman Magic, Hellenistic Judaism and early Christianity.

**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 30353 - The History of Evangelicalism in the US**

This course explores the history, development, and characteristics of evangelicalism in the United States. It will proceed both chronologically and topically, focusing more heavily on the post World War II period and contemporary American culture. It will consider a diverse range of personalities, communities, and subjects ranging from Billy Graham and presidential politics to "True Love Waits" and evangelical romance novels.

**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, or 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 30703 - Liberating God: Liberation and Postcolonial Theologies**

An investigation and analysis of discourses within Liberation and Postcolonial Theologies. An examination of the historical and sociological development of these new theological understandings of God, and their relation to the communities where they came from.

**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**

Prerequisites: 3 hours of Religion and any 6 hours from among Biology, Chemistry, Environmental Science, Geology, Physics, and Psychology. 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 10023, 10033, 10043, 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 30753 - The Many Faces of Krishna**

This course considers the many images of the god Krishna in the literary and religious imagination of the Indian people. After introducing some background of Hindu thought and practice, we shall look at how Krishna appears in different versions and interpretations of the great Indian epic, the Mahabharata, including the famous portion called the Bhagavad Gita. We then examine how Krishna appears in later devotional literature and poetry in the classical Sanskrit tradition, and finally Krishna in popular and regional understandings up to the present day. Credit cannot be granted for both RELI 30773 and RELI 30753.

#### **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 30803 - Religion and News Media**

Prerequisites: RELI 10023, or 10033, or 10043, or permission of the instructor. This course will explore the role of religion, religious ethics and values in society and news media. Students will study methods of covering religion, investigate the importance of religion in the news media, and raise questions about the content of religious news stories.

#### **RELI 30813 - Black Religion 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 30863 - Religion and Violence**

Case studies of religiously inspired violence against those considered "other" or outside specific religious groups, examined through the lens of classic and contemporary religious theory. Special attention to the Middle East and Asia.

#### **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 10023, 10033, 10043, 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **RELI 35990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 10033 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 40143 - Love and Sex in the Biblical World**

Prerequisite: At least six hours in Religion, or permission of instructor. Critical analysis of gender relationships in biblical literature, society, and religion, with attention to the relevance of biblical values to today's society.

#### **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 40713 - Women, Race and Earth: Environmental Justice**

Prerequisite: 3 semester hours of Religion, or permission of the instructor. This course looks at the theological significance of gender, and race in environmental ethics and helps students understand the historical descriptions of the role of nature in Scripture and Christian history, theological formulations from an ecological perspective, ethical grounding for the Christian practice of eco-justice and earthkeeping.

#### **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

Sociology is available as a major on the BA degree and as a minor on both the BA and BS degrees.

**CLEP**

The Department of Sociology approves the awarding of three semester hours of credit for a score of 55 on the CLEP Subject Exam in Introductory Sociology, equivalent to SOCI 20213.

**Honors Program**

Sociology majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in SOCI 30003 during their junior year and SOCI 40003 during the fall semester of their senior year.

### Sociology Major Requirements

**Bachelor of Arts with a Major in Sociology**

The BA with a major in sociology requires 27 semester hours in sociology, including SOCI 20213, 30383 and 30833. Students must achieve a minimum 2.0 GPA in all sociology letter-grade courses taken for the major. Associated requirement: MATH 10043 is to be taken within the first nine hours of sociology coursework. Any approved field may be selected as a minor.

**Bachelor of Science with a Major in Sociology**

The BS with a major in sociology requires 33 semester hours in sociology, including SOCI 20213, 30383, 30833 and 40383. No more than six hours of lower-division sociology credit may be applied to the major. Students must achieve a minimum 2.0 GPA in all sociology courses taken for the major. Associated requirement: MATH 10043 is to be taken within the first nine hours of sociology coursework. Any "topics" courses may be repeated, provided the specific subject matter changes. A minor is required; any minor approved for the BS degree is acceptable.

The BS with a major in sociology requires 33 semester hours, distributed as follows:

*I. General Requirements (12 hours)*

Introductory Sociology SOCI 20213, Research Methods in Sociology SOCI 30383, Sociological Theory SOCI 30833, Topics in Applied Social Research SOCI 40383

*II. Area Requirements (12 hours)*

**Intersections: 3 hours** from the following: Race, age, gender, and/or ethnicity related courses—SOCI 30643 Sociology of Aging, SOCI 30743 Men, Women and Society, SOCI 40803 Social Inequality, SOCI 30343 American Minority Groups or other departmentally approved courses may fulfill this requirement.

**Application and Experience : 6 hours** of from the following: SOCI 30213 Applied Sociology, SOCI 30233 Sustainability, SOCI 20990, 30990, 32990 International Residential Study, SOCI 40373 Social Psychology and other departmental study abroad offerings.

Additionally, other sociology courses that are applied, service and/or experiential learning based, may be approved to fulfill this requirement.

**Cultural Studies: 3 hours** from the following courses that provide sociological analyses of culture: SOCI 20073 American Society in Post World War Age I, SOCI 20083 American Society in Post World War Age II, SOCI 30323 Cultural Criminology, SOCI 30423 Media, Self and Society, SOCI 30463 Popular Culture, SOCI 30483 Death and Dying: Sociological Viewpoints, SOCI 30523 Self and Society Through Film, SOCI 30543 Unveiled: The Sociology of Weddings, SOCI 40443

Media Images of Drug and Alcohol Abuse, and other departmentally approved courses may fulfill this requirement.

*III. Sociology Electives (9 hours)*

### Sociology Minor

The minor in sociology requires 18 semester hours, including SOCI 20213.

### Sociology Teacher Certification

Sociology teacher certification requires 24 semester hours, including SOCI 20213, 30383 and 30833.

### Sociology Honor Society

The department sponsors Lambda Chapter of Alpha Kappa Delta, national honor society in sociology.

### Sociology Courses

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30233 - Sustainability: Environmental, Social & Economic Issues**

The purpose of this course is to introduce students to the concept of sustainability from a multidisciplinary perspective. Sustainability includes a focus on the environment, social justice issues, and economic development that provides the basic needs for sustaining an acceptable quality of life. A focus on the global implications will be stressed and students will explore the connections between sustainability and citizenship and social values.

**SOCI 30243 - Violence in Society**

Prerequisites: SOCI 20213, or 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 SOCI 20223, 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 30323 - Cultural Criminology**

This course offers an overview of the field of cultural criminology, from its theoretical and historical foundations to its current developments. The course explores the various intersections of culture, crime, and crime control, including criminal subcultures, crime and consumer culture, crime as pleasure and performance, and crime and crime control as public display. (Offered as CRJU or SOCI credit.)

**SOCI 30343 - American Minority Groups**

Prerequisite: SOCI 20213, or 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 30543 - Unveiled: The Sociology of Weddings**

This course will introduce students to the role of the wedding not only as a ceremonial rite of passage, but also as a multi-billion dollar industry in American society. Beginning with a historical overview of the role of the wedding in society, the course will address issues ranging from the emotion work of wedding work, bride power, the role of the wedding industry in a culture of divorce and the impact of the illegal diamond trade on war torn nations in Africa. A global comparison of wedding rituals will be included in the analysis, as well as a cross ritual/industry comparison of the funeral industry.

**SOCI 30563 - Deviance and Social Control**

Prerequisites: SOCI 20213, or 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, or 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 30783 - Sociology of the Body**

This course will examine the body, not through the lens of the physical or biological sciences, but as the product of complex social arrangements and processes. We will study the body as the container and expression of the self, as the object of social control, and as the repository of shifting race, gender, and sexual categories.

**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 30913 - Social Psychology of Crime**

Prerequisite: CRJU 20413, SOCI 20213 or PSYC 10213 or equivalent. An examination of the social psychological theories and research relevant for understanding criminal behavior. Course will also address societal and victim responses to crime.

**SOCI 30943 - Japan:Heritage, Culture, and Globalization**

This course provides the student with an overview of Japanese history and major cultural traditions. Japanese society will be looked at from its origins through the Tokugawa period and onto modern Japan. Religious traditions and cultural perspectives will be highlighted. Additionally, the place of modern Japan in the global community will be examined.

**SOCI 30953 - Japan:Crime, Criminal Justice and Social Problems**

The course provides the student with an overview of the functioning of the Japanese policing, court, and correctional systems. In addition, both Japanese street crime and organized crime will be examined with special emphasis on the organization and history of the Japanese Yakuza. Further, the course will examine the realities of a myriad of social problems in Japanese society both as individual issues and as causes/effects of criminality. These topics include but are not limited to issues of poverty, urbanization, drug use and family structure stresses.

**SOCI 30963 - Japan:Environment, Technology, and Sustainability**

The course provides the student with an overview of Japan's perspectives on and efforts toward sustainability in relation to the environment and economic/technological growth. Issues of mass transportation, energy production, green architecture, and farming/fishing will be addressed. In addition the place of sustainability as a philosophical dovetail to Japanese religious and cultural traditions will be highlighted.

**SOCI 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SOCI 31990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SOCI 32990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 or 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 40383 - Topics in Applied Social Research**

Prerequisite: SOCI 20213 or consent of the instructor. Courses taught under this designation focus on research design, perspectives and/or methods useful for conducting applied social research. Topics may vary from semester to semester in accordance with the changing interests of students and instructors. (May be repeated up to 6 hours under different topic offerings.)

**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, or 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, maintenance and consequences of social inequality. Focus upon contemporary American inequalities in power, wealth and prestige, and consequences thereof.

**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 and Hispanic Studies

Spanish is available as a major and a minor on the BA degree.

**Placement**

Students have several options for finding the appropriate level at which they should start their language studies at TCU. Various means of determining proper placement, as well as obtaining credit for previous language study, are outlined below.

- To determine proper placement level, students should consult the level descriptions on the department's website and take the computerized CAPE examination. Details concerning the CAPE placement exam are provided to incoming students prior to orientation and registration. To access, click on TCU CAPE. (Students must type in lower case letters: Password: frogs1 [ends with the digit 1.] )
- Students with academic or life experience in a foreign language are urged to enroll at a level appropriate to their skills. As an incentive for students to enroll at their actual level of ability, TCU offers the opportunity to earn advanced placement credits through one of two ways:
  - By means of exams administered by the College Board (AP or CLEP).

Suggested placement for students with AP credit is as follows:

AP	TCU Equivalent	Credit	Placement
3	10103,10203	6 hr	20103
4	10103,10203,20103,20203	12 hr	31103,31203,31403
5	10103,10203,20103,20203	12 hr	31103,31203,31403

- By entering at an appropriate level in accordance with the guideline provided below (whenever uncertain, students should consult with an adviser in the Department of Spanish and Hispanic Studies):

SPAN 10103: for students who have never studied Spanish.

SPAN 10203: for students who have minimal formal study and very limited knowledge of Spanish grammar and culture.

SPAN 20103: for students who know basic Spanish grammar and need to learn more complex structures and practice writing.

SPAN 20203: for students who have a good grasp of Spanish grammar but are not quite ready for advanced language courses.

SPAN 31103, 31203, 31403: for students who are ready to begin at an advanced level. This is also the entry point into the Spanish major.



**Earning Advanced Placement Credits According to Entrance Level**

Students whose first foreign 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* (SPAN 10203) and a grade of "B-" or higher is earned, *three* semester hours credit will also be awarded for the first semester course. That is, the student will earn a total of six hours of credits for taking a three-credit course.
- If the first foreign language class is at the *third semester level* (SPAN 20103) and a grade of "B-" or higher is earned, *six* semester hours credit will also be awarded for the first and second semester courses. That is, the student will earn a total of nine hours of credits for taking a three-credit course.
- If the first foreign language class is at the *fourth semester level* (SPAN 20203) and a grade of "B-" or higher is earned, *nine* semester hours credit will also be awarded for the first, second and third semester courses. That is, the student will earn a total of 12 hours of credits for taking a three-credit course.
- If the first foreign language class is above SPAN 20203 and a grade of "B-" or higher is earned, *nine* semester hours credit will also be awarded for the second, third and fourth semester courses. That is, the student will earn a total of 12 hours of credits for taking a three-credit course.

Notes: Spanish for Beginners 1 is strictly designed and reserved for students with no previous study of the language. Students entering the program at a certain level may not receive credit for coursework taken below that level.

**Native and Heritage Speakers**

A *native* speaker is considered to be someone whose primary and/or secondary education took place in a Spanish-speaking country. A *heritage* speaker is someone who was primarily educated in U.S. schools, but speaks Spanish in the home and with friends and co-workers and is quite fluent.

Native or heritage speakers should consider enrolling in Spanish 32403 or 32603. Native or heritage speakers want either grammar or writing skill development may consider enrolling in Spanish 31203 or Spanish 31403. Native or heritage speakers are not eligible to enroll in Spanish 31103.

**Spanish Major Requirements**

Oral Communication The BA with a major in Spanish consists of 33 credit hours, as follows:

- |            |  |
|------------|--|
| SPAN 31103 | Oral Communication*                                |
| SPAN 31203 | Writing in Spanish                                 |
| SPAN 31403 | Advanced Spanish Grammar                           |
|            |  |
| SPAN 32003 | Spanish Culture and Civilization <b>or</b>         |
| SPAN 32103 | Latin American Culture and Civilization            |
|            |  |
| SPAN 32503 | Panorama of Spanish Literature <b>1 and</b>        |
| SPAN 32603 | Panorama of Spanish Literature <b>2 or</b>         |
| SPAN 32703 | Panorama of Latin American Literature <b>1 and</b> |
| SPAN 32803 | Panorama of Latin American Literature <b>2</b>     |

Four electives above 31203

\*\*Two of the electives must be 40000-level literature courses

Senior seminar

\* Native and heritage speakers will not receive credit for Spanish 31103 Oral Communication in Spanish; they should select another course at the 30000 level and above.

\*\*43303 Hispanic Topics in English Translation does not count toward the major or minor.

**Policy on Grades**

Courses taken Pass/No-Credit and courses in which the student earns below a "C" will not count toward the major.

**Study Abroad**

Study abroad is strongly recommended for all majors of Spanish. In addition to the enormous improvement students will gain in their speaking ability, the international experience will enhance their career opportunities and cross-cultural competence. Fifteen credits of the Spanish major may be earned in study abroad programs. If the

student earns six of those credits while on a TCU-sponsored summer program, then the student may still apply nine credits to the major from a semester-long program.

For students in a year-long program: 21 credits of the Spanish major may be earned in study-abroad programs. If the student earns six of those credits while on a TCU-sponsored summer program, then the student may still apply 15 credits to the major from a semester-long program.

In order to receive credit, the student must meet with the Spanish department's study abroad adviser prior to departure to obtain approval for coursework abroad to transfer to TCU.

**Spanish Minor**

The Spanish minor consists of 21 credits at the level of 20103 and above. The following courses are strongly recommended for all minors:

- 31103 (Oral Communication) – for non-heritage speakers
- 31203 (Writing in Spanish) and/or 31403 (Advanced Spanish Grammar)
- 32003 (Culture & Civilization of Spain) or 32103 (Culture & Civilization of Latin America)

SPAN 43303 (Hispanic Topics in English Translation) does not count toward the minor.

**Spanish Secondary Teacher Certification**

Students seeking certification for teaching in Spanish at the secondary school level should be advised by the departmental secondary certification adviser.

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.

**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.

**Spanish Courses**

**SPAN 10103 - Spanish for Beginners 1**

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 credit given to native or heritage speakers.)

**SPAN 10113 - Intensive Spanish for Beginners 1**

A beginning course taught at an accelerated rate for eight weeks 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. A student cannot receive credit for both SPAN 10113 and SPAN 10103. (No credit give to native or heritage speakers.)

**SPAN 10203 - Spanish for Beginners 2**

Prerequisite: SPAN 10103 or SPAN 10113 or equivalent. A beginning course intended for students with minimal formal study and very limited knowledge of Spanish grammar and culture. The skills of comprehension, speaking, reading, and writing continue at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Spanish-speaking countries. Equivalent to SPAN 1-123. (No credit given to native or heritage speakers.)

**SPAN 10213 - Intensive Spanish for Beginners 2**

Prerequisites: SPAN 10103 or 10113 or equivalent. Continuation of SPAN 10103 or 10113 taught at an accelerated rate for eight weeks intended for students with minimal formal study and very limited

knowledge of Spanish grammar and culture. The skills of comprehension, speaking, reading, and writing continue to be taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Spanish-speaking countries. A student cannot receive credit for both SPAN 10213 and 10203. (No credit given to native or heritage speakers.)

**SPAN 19003 - Special Topics in Hispanic Language and Cultures**

Prerequisites: SPAN 10103 or 10113 or equivalent. Occasional course on a selected topic related to the Spanish language or the culture of Spanish-speaking countries. Different course titles may be repeated for credit.

**SPAN 20103 - Intermediate Spanish 1**

Prerequisite: SPAN 10203 or SPAN 10213 or equivalent. Further development of the integration of comprehension, speaking, reading, and writing skills on an intermediate level. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**SPAN 20113 - Intensive Intermediate Spanish 1**

Prerequisites: SPAN 10203 or 10213 or equivalent. Course is taught at an accelerated rate for eight weeks following the study of beginning Spanish with focus on the integration of comprehension, speaking, reading, and writing skills on an intermediate level. A student cannot receive credit for both SPAN 20113 and 20103. (No credit given to native speakers.)

**SPAN 20203 - Intermediate Spanish 2**

Prerequisite: SPAN 20103 or SPAN 20113 or equivalent. Continuation of SPAN 20103 or 20113 with focus on the integration of comprehension, speaking, reading, and writing skills on an intermediate level. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**SPAN 20213 - Intensive Intermediate Spanish 2**

Prerequisites: SPAN 20103 or 20113 or equivalent. Course is taught at an accelerated rate for eight weeks and is a continuation of SPAN 20103 or SPAN 20113 with an integration of comprehension, speaking, reading, and writing skills on an intermediate level. A student cannot receive credit for both SPAN 20203 and SPAN 20213. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**SPAN 20403 - The Hispanic City**

This course will study an important city in the Spanish-speaking world, such as Buenos Aires or Madrid, from a variety of perspectives, ranging from history to geography to literature to architecture. Especially recommended for students who plan on careers in the global community, for which they will need to understand the roles and dynamics of urban life in Hispanic cultures. Taught in English.

**SPAN 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 29003 - Special Topics in Hispanic Languages and Cultures**

Prerequisites: SPAN 10213 or 10203 or equivalent. Occasional course on a selected topic related to the Spanish language or the culture of Spanish-speaking countries. Different course titles may be repeated for credit.

**SPAN 30000 - 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**

A preparatory course in which a student selects a topic and carries out exploratory research under faculty guidance. The finalized project is completed in SPAN 43103.

**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 32103 - Culture and Civilization of Latin America**

Prerequisites: SPAN 31103 (30303) or SPAN (31203 (30503) or SPAN 31403 (30203) or equivalent. A study of the development and cultural achievements of Latin America's major civilization, from pre-Hispanic times to the present.

**SPAN 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 31303 - Introduction to Spanish Linguistics**

Prerequisites: SPAN 20203 or 20213. The purpose of this course is to provide basic knowledge of various fields within Spanish linguistics. Students will be exposed to linguistic structures such as phonology (pronunciation), morphology (word formation), syntax (sentence formation), semantics (meaning) and other linguistic subfields, including sociolinguistics, psycholinguistics, and dialectology.

**SPAN 31103 - Oral Communication in Spanish**

Prerequisite: SPAN 20203 or 20213 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 31203 - Writing in Spanish**

Prerequisites: SPAN 20203 or 20213 or equivalent. Development of writing skills in Spanish through intensive practice toward consolidation of independence and confidence with writing ability. Includes directed compositions, editing techniques, and a review of challenging grammatical concepts.

**SPAN 31403 - Advanced Spanish Grammar**

Prerequisites: SPAN 20203 or 20213 or equivalent. Theory and practice of more advanced Spanish grammatical structures. Guided and creative exercises and compositions.

**SPAN 31503 - Spanish for Health Professions**

Prerequisites: SPAN 31103 (30303) or 31203 (30503) or 31403 (30203) or equivalent. Course provides the student with necessary oral, written and reading skills for Spanish for healthcare purposes, as well as an understanding of cultural differences. Students will learn to communicate with patients, focusing on the critical areas of acquiring basic patient information, understanding symptoms, dispensing medical advice, and discussing treatment and medication.

**SPAN 31603 - Spanish for Business**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Course provides the student with necessary oral, written and reading skills in Spanish for business purposes and with cultural understanding of how business is conducted within the geographic and cultural context of the Spanish-speaking world. Topics include accounting, marketing, finance, investment, public relations, and international operations, among others.

**SPAN 31703 - 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 31803 - Service-Learning in the Latino Community**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203) or the equivalent. Course emphasizes increasing fluency in comprehension, speaking, reading, and writing skills as well as understanding of cultural issues while performing service in a Spanish-speaking atmosphere in the community. Students are required to spend several hours providing service for a community partner to improve their language skills and appreciation for the Latino community.

**SPAN 31990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 32003 - Culture and Civilization of Spain**

Prerequisite: SPAN 31103 (30303) or 31203 (30503) or 31403 (30203) or equivalent. Students gain an understanding and appreciation of the development of Spain as a nation from historical, political, geographical, and cultural perspectives.

**SPAN 32203 - Popular Cultures of Spanish-speaking Countries**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Latin American and Spanish cultures as manifested in performance, music, dance, soap operas, and film. Discussion of the politics of everyday practices associated with these expressions, within sociopolitical processes of which they are a part.

**SPAN 32303 - The Cinema of Spain**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Analysis of contemporary issues as expressed through selected films from Spain.

**SPAN 32403 - The Cinema of Latin America**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Analysis of contemporary issues as expressed through selected films from Latin American countries.

**SPAN 32503 - Panorama of Spanish Literature 1 (Pre-1800)**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). An overview of Spanish literature from the Middle Ages to the end of the 18th century. (Fall; alternates with SPAN 32703.)

**SPAN 32603 - Panorama of Spanish Literature 2 (Post-1800)**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). An overview of Spanish literature from the beginning of the 19th century to the present. (Spring; alternates with SPAN 32803.)

**SPAN 32703 - Panorama of Latin American Literature 1 (Pre-1820)**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). An overview of Latin American writings from the pre-Hispanic period until the eve of the Independence movements in the 1820s. Includes literary works in poetry and non-fiction, such as the chronicles of conquest. (Fall; alternates with SPAN 32503.)

**SPAN 32803 - Panorama of Latin American Literature 2 (Post 1820)**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). An overview of Latin American writings from the Independence era to the present. Includes works from a variety of genres, such as novels, short stories, poetry, and essays. (Spring; alternates with SPAN 32603.)

**SPAN 36990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 37990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 38990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**SPAN 39003 - Special Topics in Hispanic Literature and Culture**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Occasional course on a selected topic related to the literature, history, and culture of Spanish-speaking countries. Different course titles may be repeated for credit.

**SPAN 40970 - Directed Research in Spanish**

Prerequisite: permission of department chair. Opportunity for independent study, culminating in a substantial written research project.

**SPAN 41003 - The Art of Spanish Translation**

Prerequisites: SPAN 31103 (30303) or SPAN 31203 (30503) or SPAN 31403 (30203). Course explores the theory, methods, and practice of translation. Students will be exposed to the complexities of translation. Texts are drawn from multiple fields, such as advertising, journalism, business, travel, health, and politics.

**SPAN 41103 - Golden Age Spanish Poetry and Drama**

Prerequisites: At least one 32000-level Spanish course or SPAN 40103. A study of the literary culture and representative poetic and dramatic works of Spain in the sixteenth and seventeenth centuries.

**SPAN 41203 - Cervantes and the Renaissance**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. A study of the works of Miguel de Cervantes, with special attention to the Quijote and the Novelas ejemplares within the context of the Renaissance.

**SPAN 41303 - Modern Spanish Literature**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. A study of the literary culture and of outstanding writers from the Generation of 1898 to the present. Course may focus on a specific genre, group of authors, or themes associated with Spanish society since the early twentieth century.

**SPAN 41403 - Latin American Poetry and Theatre**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. The study of poetry and theatre in Latin America in the post-1900 era. Includes works by well-known authors, but also works written by less known ones, particularly women, indigenous, and Afro-Hispanic authors.

**SPAN 41503 - Latin American Short Story**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. Exploration of major fictional trends in the contemporary short story in Latin America. Development of writing and analytical skills based on the study of the works of authors.

**SPAN 41603 - Latin American Novel**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. A study of the literary culture and representative contemporary novels of the twentieth and twenty-first centuries from Latin America.

**SPAN 41703 - Contemporary Mexican Indigenous Literatures**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. A study of Mexico's contemporary, multicultural reality as reflected in the prose, poetry, and drama of writers from major cultural groups: Mayans, Nahuas, Zapotecs, among others.

**SPAN 41803 - Afro-Hispanic and Caribbean Literature**

At least one 32000-level Spanish course or SPAN 40103. A study of works by Spanish-speaking writers of African descent from the Caribbean and other parts of Latin America. Racial constructs and the way in which the peoples of African descent respond to the question of racial identity and politics. Course also explores Hispanic literary productions in the West African nation of Equatorial Guinea.

**SPAN 41903 - Hispanic Women Writers**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. An overview of literary works written by women in the Spanish-speaking world, beginning in the 16th century, with an emphasis on the post-1900 era. The course places women's literary imaginings within the context of their situation in society.

**SPAN 42003 - Hispanic Literature in USA**

Prerequisites: at least one 32000-level Spanish course or SPAN 40103. An exploration of literary expressions of the Hispanic cultural community in the United States, especially the Chicano, Cuban-American, and Puerto Rican. Emphasis is laid on issues involving gender, identity, religion, and cultural conflict. Readings, discussions, and examinations are in Spanish.

**SPAN 42103 - Luso-Brazilian and Hispanic Studies**

Prerequisite: At least one 32000-level Spanish course or SPAN 40103. A comparative study of the literature and culture of the Spanish and Portuguese-speaking worlds. Emphasis could be on Europe, Latin America, Africa, or any combination of Spanish and Portuguese-speaking peoples. Taught in Spanish.

**SPAN 43103 - Senior Honors Thesis**

Independent projects in literature or linguistics or cultural studies resulting in a Senior Honors Thesis.

**SPAN 43203 - Senior Seminar**

The Spanish capstone course, bringing together the student's study of language, culture, and literature. In-depth study of a pre-announced topic that varies each semester. Required for Spanish majors, this course must be taken in residence at TCU during the senior year.

**SPAN 43303 - Hispanic Topics in English Translation**

Occasional course on a selected topic related to the history, literature, and culture of Spanish-speaking countries. Taught in English. Course cannot be taken to fulfill the requirements of the Spanish major and minor.

**SPAN 49003 - Special Topics in Hispanic Literature and Culture**

Prerequisites: at least one 32000-level Spanish course. Occasional course on a selected topic related to the literature, history, and culture of Spanish-speaking countries. Different course titles may be repeated for credit.

**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.

**Urban Studies**

Urban studies is available as a minor on both the BA and BS degrees. A minor in Urban Studies will enable students to complete an interdisciplinary set of courses addressing urban living and environments.

**Urban Studies Minor Requirements**

**Urban Studies Minor Requirements**

The Urban Studies minor requires 21 hours, selected from at least 3 different disciplines with a maximum of nine hours from any one discipline, to include:

1. A minimum of six hours to be selected from the following core courses

ANTH 30623	Urban Anthropology
ECON 40463	Regional and Urban Economics
GEOG 30713	Urban Geography
POSC 30103	Topics in American Politics: Urban Issues and Policies

2. A minimum of three hours with a service-learning or independent research component. These courses would include, but would not be restricted to

CRJU 40963	Internship in Criminal Justice
POSC 20144	Practicing American and Texas Politics
POSC 40960	Civic Literacy Internships
SOCI 30213	Applied Sociology
SPAN 31803	Service-Learning in the Latino Community

3. A minimum of three hours of coursework in which urbanization is studied in an international, global or comparative context. Students are encouraged, but not required, to satisfy this component of the minor through an appropriate study abroad experience.

4. Nine additional hours of relevant coursework to be completed subject to the distributional requirements noted above. A minimum of three hours must be selected from approved Humanities courses.

5. No course may be applied to both a student's major and minor requirements. If one of the above courses is required for a student's major (e.g., CRJU 40963 or POSC 20144), the student may substitute another approved course in the minor. The student would not be required to complete a second Internship or service-learning course.

**Urban Studies Approved Courses**

Other relevant courses may be applied to the minor with the approval of the Associate Dean of AddRan College.

ANTH 30623	Urban Anthropology
ANTH 30663	Environmental Justice, Human Rights, and Agriculture
CRJU 30323	Cultural Criminology (cross-listed as SOCI 30323)
CRJU 30853	Multiculturalism in the Criminal Justice System
CRJU 30903	Law and Society (cross-listed as SOCI 30903)
CRJU 30963	Internship in Criminal Justice
ECON 30473	Regional and Urban Economics
ENGL 30153	Urban Experiences and American Literature
ENGL 30203	Urban Rhetorics
ENGL 30693	Multi-Ethnic Literature

ENGL 30973	Literary London (Study Abroad)
ENGL 40553	Studies in 19th Century American Literature: American Writers in Paris and Madrid
GEOL 50723	Introduction to Geographic Information Systems
GRMN 20123	Topics in German Culture: Berlin in Film
GRMN 30173	German Culture in Cologne, the Rhineland, and Beyond
HIST 30383	Experiences & Encounters: Paris and Madrid, 1880-1940 (Study Abroad)
HIST 30583	Living in London (Study Abroad)
HIST 30613	History of Working People in America
HIST 40653	The Progressive Period in American History, 1877-1919
POSC 20144	Practicing American and Texas Politics
POSC 30103	Topics in American Politics: Urban Issues and Policies
POSC 30303	Topics in International Politics: Globalization and Political Economy
POSC 40960	Civic Literacy Internships
SOCI 20223	Social Problems
SOCI 30213	Applied Sociology
SOCI 30233	Sustainability: Environmental, Social, & Economic Issues
SPAN 20403	The Hispanic City
SPAN 31803	Service-Learning in the Latino Community

**Woman's Studies**

Women's studies is available as a minor and as an emphasis on both the BA and BS degrees.

**Women's Studies Minor and Emphasis**

The minor and the emphasis in women's studies are designed to provide students theoretical frameworks for recovering and analyzing women's experiences as part of a larger investigation of gender and difference, and to offer opportunities to study disciplines through these frameworks.

Students seeking the minor complete 18 hours: two required courses (WOST 20003 and 40003) and a choice of four additional courses from an approved list (see below). In choosing these courses, students 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 complete 15 hours: either WOST 20003 or 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.

**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 30653	Sex, Gender, and Culture
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
COMM 30970	Language and Gender
CRJU 30813	Race and Gender Issues
CRJU 30823	Gender Issues in Crime and Justice
EDEC 41113	Foundations of Education
EDUC 50003	Diversity in American Education
ENGL 10833	Girls, Women, Citizens (first-year students only)
ENGL 10833	Woman that I Am (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 30653	Jane Austen and Film

ENGL 30683	Postcolonial Literature
ENGL 30753	Literature and Film: Jane Austen
ENGL 30763	Lesbian, Gay, Bisexual, and Transgendered Authors and Themes in Literature
ENGL 30973	Renaissance Witch Literature
ENGL 40533	Seminar in Toni Morrison
ENGL 40563	U.S. Women's Writings
HIST 30603	History of Women in America
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 and Sexual Orientation in Contemporary Law
RELI 10533	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
FTDM 30983	Women in Film and Television
SOCI 10533	First-Year Seminar in Sociology: Women Around the World (first-year students only)
SOCI 30303	Marriage and Family
SOCI 30743	Men, Women, and Society
THEA 50300	Problems in Theatre: The V-Initiative
WOST 49000	Local Internship in Women's Studies

See department listings for descriptions.

An approved list of courses is maintained in the AddRan College of Liberal Arts office, Reed 107.

For more information, contact Karen Steele, Ph.D., director of women's studies.

## Women's Studies Courses

### 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 30973 - Special Topics in Gender and Women's Studies

Prerequisite: permission of instructor. Directed study in gender and women's studies. Topic, method, and theme will vary from semester to semester.

### WOST 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### 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).

## Writing

Writing is available as a major on the BA degree and a minor on both the BA and BS degrees.

### Writing Major Requirements

Each student forms a program of study in consultation with a faculty adviser in English.

### General Requirements

To earn the BA with a major in writing, students must complete 31 hours in English (exclusive of ENGL 10803, 10833, 20803 and 20833). Of these, at least 25 hours must be in upper-division English courses (30000 level and above). **No more than six hours of lower-division credit may be applied to the major.**

All writing majors are required to take ENGL 40831 (Senior Seminar) after they have attained senior standing and completed 21 hours in English courses (exclusive of ENGL 10803, 10833, 20803 and 20833).

ENGL 30973 and 50970, courses in special topics that 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 the department's Web site at [www.eng.tcu.edu](http://www.eng.tcu.edu).

### Specific Requirements

To earn a major in writing, the following distribution requirements apply:

- Three hours of craft, selected from ENGL 10203, 30233, 30263, 30343, 30353, 40203, 40213 and 40223;
- Three hours of rhetoric and culture, selected from ENGL 20333, 30203, 30243, 30253, 30273, 30283, 30663, 40253 and 40333;
- Three hours of practical arts, selected from ENGL 20353, 30213, 30223, 40233 and 40243;
- Three hours of advanced study, selected from ENGL 30293, 30973, 40273, 50233, 50243 and 50253;
- Six elective hours of any courses listed in sections A. through D. above;
- Six upper-division hours of literary and language studies, selected from ENGL 30003, 30103, 30113, 30123, 30133, 30143, 30153, 30163, 30413, 30423, 30433, 30443, 30453, 30463, 30473, 30493, 30503, 30513, 30533, 30543, 30553, 30563, 30573, 30583, 30593, 30613, 30623, 30633, 30643, 30653, 30673, 30683, 30693, 30723, 30733, 30743, 30753, 30763, 30773, 30783, 30793, 40003, 40123, 40323, 40403, 40413, 40423, 40433, 40443, 40453, 40463, 40473, 40483, 40493, 40523, 40533, 40543, 40553, 40563, 40573, 40583, 40593, 40643, 40653, 40663, 40673, 40683, 40693, 40733, 40743 and 50970; and
- Six elective hours of any courses offered by the Department of English.

### Writing Minor

The minor in writing requires 18 semester hours in English (exclusive of ENGL 10803, 10833, 20803 and 20833). Of these, nine hours must be in upper-division courses. These distribution requirements apply:

- Three hours of craft, selected from ENGL 10203, 30233, 30263, 30343, 30353, 40203, 40213 and 40223;
- Three hours of rhetoric and culture, selected from ENGL 20333, 30203, 30243, 30253, 30273, 30283, 30663, 40253 and 40333;
- Three hours of practical arts, selected from ENGL 20353, 30213, 30223, 40233 and 40243
- Nine hours of electives from any courses listed in sections A. through C. above, or any upper-division courses offered by the Department of English.

### Writing Course Subcategories

#### Writing Workshops (WCO)

ENGL 10803	Introductory Composition: Writing as Inquiry
ENGL 10833	Composition: First-Year Seminar
ENGL 20803	Intermediate Composition: Writing as Argument
ENGL 20833	Intermediate Composition: Sophomore Seminar

**Craft**

- ENGL 10203 Introduction to Creative Writing
- ENGL 30233 The Essay
- ENGL 30263 Style and Usage
- ENGL 30343 Intermediate Fiction Writing
- ENGL 30353 Intermediate Poetry Writing
- ENGL 40203 Creative Writing-Fiction
- ENGL 40213 Creative Writing-Poetry
- ENGL 40223 Creative Writing-Drama

**Rhetoric and Culture**

- ENGL 20333 Language, Technology and Society
- ENGL 30203 Urban Rhetorics
- ENGL 30243 Rhetorical Practices in Culture
- ENGL 30253 Rhetorical Traditions
- ENGL 30273 Argument and Persuasion
- ENGL 30283 Cyberliteracy
- ENGL 30663 Women's Rhetorics
- ENGL 40253 Propaganda Analysis and Persuasion
- ENGL 40333 Language, Rhetoric and Culture

**Practical Arts**

- ENGL 40263 Introduction to Multimedia Authoring
- ENGL 30213 Advanced Composition
- ENGL 30223 Technical Writing and Document Design
- ENGL 40233 Writing for Publication
- ENGL 40243 Professional Writing and Editing

**Advanced Study**

- ENGL 40263 Advanced Multimedia Authoring
- ENGL 30973 Directed Studies in English
- ENGL 40273 Writing Internship
- ENGL 50233 Studies in Creative Writing
- ENGL 50243 Teaching Writing
- ENGL 50253 Classical Rhetoric

**Literary and Language Studies**

- ENGL 30103 Introduction to Literary Theory
- ENGL 30113 British Literature to 1800
- ENGL 30123 British Literature since 1800
- ENGL 30133 American Literature to 1900
- ENGL 30143 American Literature since 1900
- ENGL 30153 Urban Experiences and American Literature
- ENGL 30163 Nature Writing in Nature
- ENGL 30413 British Literature to 1500
- ENGL 30153 Urban Experiences and American Literature
- ENGL 30163 Nature Writing in Nature
- ENGL 30423 Early British Drama
- ENGL 30433 Renaissance Poetry
- ENGL 30443 20th-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 30503 The Roaring '20s
- ENGL 30513 American Poetry
- ENGL 30533 Modern American-Jewish Literature
- 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 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 30653 Jane Austen: Novels and Films
- ENGL 30673 King Arthur in Literature and Legend
- ENGL 30683 Post-Colonial Anglophone Literature
- ENGL 30693 Multi-Ethnic Literature
- ENGL 30723 Short Story
- ENGL 30733 Satire
- ENGL 30743 Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film
- ENGL 30753 Literature and Film
- ENGL 30763 Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature
- ENGL 30773 India: Texts and Traditions
- ENGL 30783 Modern India: Literature and Culture

- ENGL 30793 Multi-Ethnic Literature of the World
- ENGL 40123 Literary Criticism
- ENGL 40323 History of the Language
- 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 40473 Milton and His Contemporaries
- ENGL 40483 Shakespeare and Marlowe
- ENGL 40493 Shakespeare
- ENGL 40523 Emerson and Thoreau
- ENGL 40533 Toni Morrison
- ENGL 40543 Studies in Early American Literature
- ENGL 40553 Studies in 19th-Century American Literature
- ENGL 40563 U.S. Women's Writing
- ENGL 40573 Mark Twain
- ENGL 40583 Contemporary American Poetry
- ENGL 40593 Faulkner
- ENGL 40643 British Romanticism
- ENGL 40653 Renaissance Literature and the 'New' Science
- ENGL 40663 Modern Fiction
- ENGL 40673 Modern Drama
- ENGL 40683 Studies in 20th-Century American Literature
- ENGL 40693 20th-Century British and Irish Poetry
- ENGL 40733 Social History of Children's Literature
- ENGL 40743 The Long Novel

**Electives**

- ENGL 10103 Introduction to Fiction
- ENGL 10113 Introduction to Poetry
- ENGL 10123 Introduction to Drama
- ENGL 10303 Approaches to Film
- ENGL 10433 Literature: Freshman Seminar
- ENGL 10503 Introduction to Nonfiction Genres
- ENGL 20333 Language, Technology and Society
- ENGL 20403 Major British Writers
- ENGL 20433 Introduction to Shakespeare\*
- ENGL 20503 Major American Writers
- ENGL 20533 The American Dream
- ENGL 20543 The American Short Story
- ENGL 20583 The Western
- 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

**Seminars and Directed Studies**

- ENGL 30003 Junior Honors Seminar
- ENGL 30973 Directed Studies in English
- ENGL 40003 Senior Honors Seminar
- ENGL 40831 Senior Seminar
- ENGL 50970 Directed Study in English

# Harris College of Nursing & Health Sciences

TCU has a long history of offering courses and degrees that contribute to the health and well-being of the community. Harris College of Nursing & Health Sciences enhances that tradition by uniting the departments of Nursing, Communication Sciences and Disorders, Kinesiology and Social Work. The degree programs offered by Harris 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 Harris 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 develop skills essential to finding information, using technology and solving problems.

By integrating clinical practice, professional and community service, and research activities, Harris 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 Harris College community. Faculty are committed to providing individual attention to students in order for them to achieve and grow, and are actively involved in teaching research and work closely with students in laboratory and clinical experiences at both undergraduate and graduate levels. Faculty members also serve as advisers providing career and professional guidance.

## Mission

The mission of Harris College is to enhance the human condition by preparing graduates who think and practice as ethical leaders, and by advancing knowledge of health and human development within the global community. 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.

## Harris College Degrees and Majors

Harris College of Nursing & Health Sciences offers the following degrees and majors:

- Bachelor of Science in Nursing (BSN)
- Bachelor of Science in Social Work (BSSW)
- Bachelor of Science in Athletic Training (BSAT)
- Bachelor of Science (BS) with majors in:
  - Habilitation of the Deaf and Hard of Hearing
  - Speech-Language Pathology
  - Health and Fitness
  - Movement Science
  - Physical Education
  - Psychosocial Kinesiology

## Curriculum

Students seeking the Bachelor of Science degree must fulfill all University degree requirements described in this catalog. This includes completion of the minimum number of credit hours, typically 124, specified by their majors in the following categories:

### Core Curriculum (CC): 39-57 credit hours

- Essential Competencies: 12 credit hours plus six hours writing Emphasis
- Human Experiences and Endeavors: 27 credit hours
- Heritage, Mission, Vision and Values: 18 credit hours that may overlay with other elements of a student's degree requirements

*Curriculum Requirements of the Major: variable credit hours*

## Multiple Majors

Students with a first major in Harris College may declare an additional major on the BS 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 TCU Core Curriculum requirements associated with any major.

## Transfer Credit

Students must receive approval of courses they wish to take at another college or university following admission to TCU. Students should gain course recommendations from department advisers, seek approval of the department chair or director, and then seek approval from the Office of the Dean of Harris 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, after admission to TCU. 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 of Harris College, 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 coursework.

## 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 adviser on a regular basis for the purpose of reviewing progress toward the degree.

## Harris College Minors

The Harris College of Nursing & Health Sciences offers the following minors:

- Habilitation of the Deaf (COSD)
- Speech-Language Pathology (COSD)
- Health (KINE)
- Fitness (KINE)
- Movement Science (KINE)
- Physical Education (KINE)
- Social Work (SOWO)
- Interdisciplinary Healthy Aging (Harris College)

## Interdisciplinary Healthy Aging Minor

### Coursework

Students wishing to earn the Interdisciplinary Healthy Aging Minor are required to take 18 hours of coursework, selected from the courses listed below. Three courses totaling 9 hours are required. Elective courses, totaling 9 hours, must be selected from at least three different departments, which may include the department of the student's major.

### Required Courses (9 hours)

SOCI 30643	Sociology of Aging
SOWO 40513	Interdisciplinary Approaches to Healthy Aging
Directed Study	Student will have an opportunity to develop community-based research projects

### Elective Courses (select 9 hours from the courses below)

KINE 40780	Physical Activity and Aging
NURS 10303	Human Development
NURS 30503	Issues in Women's Health
NURS 30543	Family Health Nursing
SOWO 30543	Family Health Nursing
NURS 30632	Concepts of Gerontological Nursing
POSC 30103	Aging Nation: Social and Public Policy Issues
SOCI 30223	Aging Nation: Social and Public Policy Issues
PSYC 40950	Contemporary Topics in Psychology: Models of Stress and Health
SOCI 30483	Death and Dying: Sociological Viewpoints
SOWO 30853	Human Behavior and the Social Environment II
SOWO 40543	Social Work with Older Adults
SOWO 40563	Death and Dying

## Communication Sciences and Disorders

### Communication Sciences and Disorders (COSD) Degrees

Available on the Bachelor of Science (BS) degree with a major in habilitation of the deaf and hard of hearing (DHH) or speech-language pathology.

#### Honors Program

COSD 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.

#### Pass/No-Credit Option

No courses in either 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.

#### Habilitation of the Deaf and Hard of Hearing

The BS with a major in habilitation of the deaf and hard of hearing requires a total of 124 semester hours as follows:

- I. Core Curriculum: 39 to 63 semester hours
- II. Habilitation of the DHH: 39 semester hours
- III. College of Education: 27 semester hours (includes student teaching)
- IV. Associated Requirements: 16 semester hours (13 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. Prior to serving as junior clinicians in a clinical setting, students must present satisfactory evidence of acceptable results from a criminal background check arranged by the Department of Communication Sciences and Disorders. Background checks must be completed within the 30 days prior to the start of that academic semester.
3. Complete 75 hours of clinical practice, at least two semesters of COSD 40340 and one semester of COSD 40350.
4. TCU cumulative GPA of at least 2.5 and a 2.5 GPA in COSD courses before enrolling in COSD 40340.
  - 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:
    - Performance in COSD coursework;
    - Previous clinical experience and performance; and
    - Fluency in sign language as judged by course instructor.
5. Students must be successfully admitted into the College of Education.

#### Suggested Courses for the Freshman Year

##### Fall

##### Semester Hours

Oral Communication	3
Written Communication	3
Natural Science	3
History (HIST 10603)	3
Humanities	3
<b>Total</b>	<b>15</b>

##### Spring

Natural Science	3
Fine Arts (FNRT 20903)	3
History (HIST 10613)	3
Math	3
Humanities	3
<b>Total</b>	<b>15</b>

#### Speech-Language Pathology

The BS with a major in speech-language pathology requires a total of 124 semester hours as follows:

- I. TCU Core Curriculum: 39 to 63 semester hours

II. Speech-Language Pathology: 33 semester hours

III. Psychology/Approved Electives: 9 semester hours

IV. Supporting Areas: 9 semester hours

V. 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. Prior to serving as junior clinicians in a clinical setting, students must present satisfactory evidence of acceptable results from a criminal background check arranged by the Department of Communication Sciences and Disorders. Background checks must be completed within the 30 days prior to the start of that academic semester.
4. Complete 50 hours of clinical practice, at least one semester of COSD 40300 and two semesters of COSD 50300.
  - TCU cumulative GPA of at least 2.5, a 2.5 GPA in COSD course and a grade of "C" or above in all COSD coursework before enrolling in COSD 40300 and 50300.
5. Students must be recommended for enrollment in COSD 50300 by COSD faculty. Recommendation is based on fulfillment of expectations specified in the clinic handbook and on:
  - Performance in COSD coursework; and
  - Previous clinical experience and performance.

(Note: This should be viewed as a pre-professional 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

##### Fall

##### Semester Hours

COSD 10303	3
Written Communication	3
Natural Science	3
Social Science	3
Humanities	3
<b>Total</b>	<b>15</b>

##### Spring

COSD 10343	3
Natural Science	3
Social Science	3
Humanities	3
Fine Arts	3
Psychology	3
<b>Total</b>	<b>18</b>

#### Communication Disorders Minor

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.

#### Comm Sciences & Disorders Courses

##### 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 speech sound 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, a cumulative TCU gpa of 2.5 or higher, 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 Spoken Language to Persons 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, a cumulative TCU gpa of 2.5 or higher, 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 and a cumulative TCU gpa of 2.5 or higher. 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, and a cumulative TCU gpa of 2.5 or higher. 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 the 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.)

**Kinesiology**

- 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:
- health and fitness
- movement science
- physical education
- psychosocial kinesiology

The Bachelor of Science in Athletic Training (BSAT) degree is offered to majors in athletic training. The Commission on Accreditation of Athletic Training Education (CAATE) accredits the BSAT.

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 Athletic Training Education. A variety of activity courses are also offered by the department.

The curriculum for each major academic area is comprised of the following components:

- I. Kinesiology core courses common to all majors (16 hours)
- II. Major courses specific to each area (18-37 hours)
- III. Emphasis courses (6-18 hours)
- IV. Associated requirements intended to supplement the departmental courses (11-27 hours)

In addition to the major requirements, students must take core curriculum 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 that are arranged through academic advisers.

**Pass/No-Credit Option**

No kinesiology core, major, emphasis or associated requirements courses may be taken on a Pass/No-Credit basis.

**Kinesiology Degrees**

The Department of Kinesiology offers the BS degree with majors in health and fitness, movement science, physical education and psychosocial kinesiology as well as the Bachelor of Science in Athletic Training (BSAT) for athletic training majors.

**Health and Fitness**

The health and fitness option provides students with the educational foundation required for pursuit of fitness-related careers. Students gain an understanding of the exercise prescription and assessment of general and athletic populations. In addition, students learn the

planning, organization and administration of fitness and athletic conditioning programs and facilities.

1. Core Curriculum (core hours vary depending on the number of coupled courses) 39 to 63 hours
2. Major: Health and Fitness 55 hours

*Kinesiology Core (16 hours)*

- KINE 10103 Foundations of Kinesiology
- KINE 10603 Anatomical Kinesiology
- KINE 20503 Motor Behavior
- KINE 30623 Biomechanics
- KINE 30634 Exercise Physiology

*Major Courses (27 hours)*

- HLTH 30233 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 30833 Physical Activity and Disability
- KINE 40503 Fitness Programming
- KINE 40513 Principles of Strength and Conditioning
- KINE 40903 Senior Internship

*Emphasis Courses (choose 12 hours)*

- HLTH 30203 Health and Stress Management
- KINE 20303 Care and Prevention of Athletic Injuries
- KINE 20613 Measurement and Evaluation in Kinesiology
- KINE 30513 Health and Fitness Management
- KINE 30713 Psychology of Sport

3. Associated Requirements 14 hours

- BIOL 20204 Anatomy and Physiology I
- BIOL 20214 Anatomy and Physiology II
- MANA 30153 Organizational Management
- PSYC 10213 General Psychology

4. Electives as needed to complete 124 hours

**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 adviser as early as possible in order to coordinate elective courses with specific interests.

1. Core Curriculum (core hours vary depending on the number of coupled courses) 39 to 63 hours
2. Major: Movement Science 43 hours

*Kinesiology Core (16 hours)*

- KINE 10103 Foundations of Kinesiology
- KINE 10603 Anatomical Kinesiology
- KINE 20503 Motor Behavior
- KINE 30623 Biomechanics
- KINE 30634 Exercise Physiology

*Major Courses (18 hours)*

- KINE 30423 Motor Development
- KINE 30713 Psychology of Sport or
- 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 9 hours)*

- HLTH 30233 Sport and Exercise Pharmacology
- HLTH 30423 Nutrition and Physical Activity
- KINE 30503 Fitness Assessment
- KINE 40503 Fitness Programming

3. Associated Requirements 27 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 10054 Precalculus w/ Trigonometry
- 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 receive all-level certification (K-12) upon successful completion of the major and a state-administered exam. In order to graduate with a PEAL degree, students must maintain a 2.5 or better cumulative GPA, earn a "C" or better in all courses required to complete the major, be in good standing academically with the University and comply with University policies. In order to earn a teaching certification, students must meet and comply with the PEAL requirements and 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 College of Education section on page 74 of the catalog for admission and retention criteria.

1. Core Curriculum (core hours vary depending on the number of coupled courses) 39 to 63 hours
2. Major: Physical Education 43 hours

**Kinesiology Core (16 hours)**

KINE 10103	Foundations of Kinesiology
KINE 10603	Anatomical Kinesiology
KINE 20503	Motor Behavior
KINE 30623	Biomechanics
KINE 30634	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

**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. Core Curriculum (core hours vary depending on the number of coupled courses) 39 to 63 hours
2. Major: Psychosocial Kinesiology 43 hours

**Kinesiology Core (16 hours)**

KINE 10103	Foundations of Kinesiology
KINE 10603	Anatomical Kinesiology
KINE 20503	Motor Behavior
KINE 30623	Biomechanics
KINE 30634	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 Bachelor of Science in Athletic Training (BSAT) prepares graduates to sit for the Board of Certification (national certification) Examination and/or the Texas Advisory Board State License Examination. The BSAT is accredited by the Commission on Accreditation of Athletic Training Education (CAATE.)

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 the Athletic Training Education Program (ATEP) is competitive and requires the student to complete an application separate from the TCU undergraduate admission application. Admission to the program is limited (approximately 10-12 students per year). Students are admitted on a rolling basis once they have been accepted to TCU. Applicants are encouraged to submit their application to the Athletic Training Education Program at the same time they submit their application to the TCU admissions office.

To be considered for admission into the ATEP students must submit:

- TCU letter of acceptance;
- Completed ATEP application;
- Two letters of recommendation;
- Copy of all academic transcripts (high school and college, if applicable);
- Copy of current First Aid and CPR/AED certification cards; and
- An interview may be required for some candidates prior to admission. Interviews will be scheduled by the ATEP if necessary.

Transfer students are evaluated on a case-by-case basis and should contact the program director prior to application.

Upon admission, students are required to have a physical exam by the TCU ATEP Medical Director; show documentation of immunization for hepatitis B, measles, mumps, rubella, tetanus and diphtheria; varicella (or documentation of history of the chicken pox); show proof of a current TB skin test; and attest that they meet the technical standards established by the program.

Visit [www.tcuathletictraining.com](http://www.tcuathletictraining.com) to download a copy of the application and technical standards or visit the athletic training education office (Rickett 172) in TCU's Department of Kinesiology.

1. Core Curriculum (core hours vary depending on the number of coupled courses) 39 to 63 hours
2. Athletic Training Major 71 hours

**Kinesiology Core (16 hours)**

KINE 10103	Foundations of Kinesiology
KINE 10603	Anatomical Kinesiology
KINE 20503	Motor Behavior
KINE 30623	Biomechanics
KINE 30634	Exercise Physiology

**Major Courses (37 hours)**

KINE 10102	Foundations of Athletic Training
KINE 10202	Perspectives in Athletic Training
KINE 20102	Clinical Education I
KINE 20202	Clinical Education II

KINE 20303	Care and Prevention of Athletic Injuries
KINE 30102	Clinical Education III
KINE 30202	Clinical Education IV
KINE 30303	Orthopedic Assessment I
KINE 30313	Orthopedic Assessment II
KINE 30602	General Medical Conditions for the Athletic Trainer
KINE 40102	Clinical Education V
KINE 40202	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 18 hours)*

HLTH 20203	Health and Wellness Concepts
HLTH 30233	Sport and Exercise Pharmacology
KINE 20613	Measurement and Evaluation in Kinesiology
KINE 30713	Psychology of Sport
KINE 30803	Adapted Physical Activity-School Based Perspective or
KINE 30833	Physical Activity and Disability
NTDT 20403	Nutrition

3. Associated Requirements 11 hours

BIOL 20204	Anatomy and Physiology I
BIOL 20214	Anatomy and Physiology II
MATH 10043	Elementary Statistics

4. Electives as needed to complete 124 hours

**Retention Policy**

*Requirements for Retention.* To be retained in the Athletic Training Education Program, students must maintain a 2.75 or better cumulative GPA, maintain a 2.75 or better GPA 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. Failure to meet the requirements for retention could delay the student's clinical education progress and ultimately the student's date of graduation.

*Probation.* Probation serves as a warning to students that their progress in the program is not satisfactory. Students are placed on probation if one or more of the requirements for retention are not met in a given semester. Students receiving a deficient grade in a course required for the major must repeat the course the next time the course is offered during the regular academic year (fall or spring semesters). Students may elect to repeat the course in the summer, provided the course is not offered during the respective academic year and is repeated in the summer immediately following the academic year in which the deficient grade was received. Tutor sessions (if available) for a repeat course are required during the semester the course is repeated.

Students placed on probation are required to complete weekly study hall hours as assigned by the program director and are not allowed to work athletic contests (home and away). Students not meeting semester or cumulative GPA requirements are limited to 15 hours per week in the athletic training room. Students are removed from probation if the requirements for retention are satisfied at the completion of the semester.

*Clinical Probation.* Students may be placed on clinical probation if requirements for retention are not satisfied for two semesters (consecutive or non-consecutive) and/or a deficient grade in a course required for the major is not remedied the next time the course is offered during the regular academic year (fall or spring semesters).

To allow the student to devote more time to academics and improve their GPA, students on clinical probation are not given a clinical assignment and are required to complete weekly study hall hours and tutor sessions as assigned by the program director. Students will be removed from clinical probation if the requirements for retention are satisfied at the completion of the semester. Students removed from clinical probation are required to complete study hall hours as assigned by the program director for a minimum of one additional semester.

*Dismissal from the Program.* Students who do not meet the requirements for retention for a combination of three semesters (consecutive or non-consecutive) or receive a deficient grade in a course required for the major on a second attempt will be considered for

dismissal from the program. Other circumstances (i.e., sacrificing patient confidentiality, not adhering to program policies and procedures) may result in a student being considered for immediate dismissal and will be handled on a case-by-case basis.

The program director in consultation with the chair of the Department of Kinesiology and the program faculty/staff will make decisions regarding the dismissal of a student from the program. The program director will meet with the student to discuss the decision and reason(s) for dismissal. 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 and will be required to file a change of major form with the dean's office.

**Kinesiology Minors**

The Department of Kinesiology offers academic minors in movement science, health, physical education and fitness. The minors offered by the department may not be taken by students majoring in any one of the five majors offered by the department.

**Movement Science Minor**

The minor in movement science requires 18 hours as follows:

KINE 10603	Anatomical Kinesiology
KINE 20503	Motor Behavior
KINE 30423	Motor Development
KINE 30623	Biomechanics
KINE 30634	Exercise Physiology

Choose one of the following:

KINE 30503	Fitness Assessment
KINE 30713	Psychology of Sport
KINE 30833	Physical Activity and Disability

**Health Minor**

The minor in health requires 18 hours as follows:

HLTH 20203	Health and Wellness Concepts
HLTH 30233	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 30634	Exercise Physiology
KINE 30733	Exercise Psychology

# Recommended for students entering the teacher preparation field.

\* Recommended for students entering medical or allied health fields.

**Physical Education Minor**

This minor is designed for individuals who want to teach physical education as a second teaching field. This minor alone will not suffice for certification. To obtain Texas teacher certification, students must hold or achieve a bachelor's degree in another teaching field and have completed the 31 additional course hours in the Teacher Education Program of the University. Students must also have successfully completed the appropriate state certification exams for the subject and grade level they wish to teach.

The minor in physical education requires 18 hours as follows:

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 30634	Exercise Physiology
HLTH 30423	Nutrition and Physical Activity

**Fitness Minor**

The minor in fitness requires 19 hours as follows:

KINE 10603	Anatomical Kinesiology
KINE 30503	Fitness Assessment
KINE 30513	Health and Fitness Management
KINE 30634	Exercise Physiology
KINE 40503	Fitness Programming
KINE 40513	Principles of Strength and Conditioning

## Health Courses

### 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 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 30233 - Sport and Exercise Pharmacology

Prerequisite: KINE 10603, BIOL 20214, 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 30423 - Nutrition and Physical Activity

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 30634 - Exercise Physiology

Prerequisite: KINE 10603; Kinesiology majors only: KINE 10103; MOSC, ATTR, and HEFI only: BIOL 20214. Physiological responses of the systems of the human body with an emphasis on the energetics, metabolism, cardiovascular responses, thermoregulation, and muscular function associated with acute and chronic exercise. (Offered as KINE or HLTH credit.)

### HLTH 30990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

### 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 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.)

## Kinesiology Courses

### KINE 10011 - Personal Fitness

Principles, concepts, and components of physical fitness. Emphasis on design and practical implementation of individualized fitness program.

### KINE 10102 - Foundations of Athletic Training

An introduction to the basic skills in athletic training and the Texas Christian University athletic training program in a hands-on learning environment.

### 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 10202 - Perspectives in Athletic Training

This course will provide the entry-level athletic training student with an initial look at the organizations that govern the profession of athletic training. Athletic training students will continue to gain knowledge through clinical experiences.

### 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 20102 - Clinical Education I

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### KINE 20202 - Clinical Education II

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### 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 30102 - Clinical Education III

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### KINE 30202 - Clinical Education IV

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### 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 lower extremity and lumbar spine. 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 upper extremity, head and neck. 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 30513 - Health and Fitness Management**

Prerequisites: Kinesiology majors only -- KINE 10103. This course is designed to provide students interested in careers in the health and fitness industry with the knowledge necessary to develop and operate a fitness facility. The design and operation of health/wellness programs and facilities will be presented, including program design and administration, facility design, organizational development, management theory, marketing, financial management, legal issues, strategic planning, and evaluation models. Through a major simulation project, students will participate in all phases of program and facility development, such as budget development, recruiting and retaining employees and clients, market niche, and conflict resolution.

**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 30634 - Exercise Physiology**

Prerequisite: KINE 10603; Kinesiology majors only: KINE 10103; MOSC, ATTR, and HEFI only: BIOL 20214. Physiological responses of the systems of the human body with an emphasis on the energetics, metabolism, cardiovascular responses, thermoregulation, and muscular function associated with acute and chronic exercise. (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. The sociology of sport focuses on examining the interaction between society and sport. In particular, the course examines issues such as youth sport, violence in sport, commercialization of sport, the media and sport, politics and sport, religion and sport, and the role of gender, race, and socioeconomic status within sport.

**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 40102 - Clinical Education V**

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**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 40202 - Clinical Education VI**

The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**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 40513 - Principles of Strength and Conditioning**

Prerequisites: KINE 30503 or instructor permission. This course will provide students with the theoretical and practical applications of strength training and conditioning. The successful students will acquire a level of proficiency in the development of sport and event specific strength and conditioning programs and plans based upon: athlete / client specific fitness assessment characteristics, sports specific performance demands; and individual performance optimization. Programs shall be based upon the performance requirements associated with the specific sport or event and include, but not be limited to: musculoskeletal symmetry, strength, and flexibility; body composition; cardiovascular endurance, and nutritional recommendations.

**KINE 40523 - Therapeutic Modalities**

Prerequisite: KINE 20203 and current Athletic Training majors. The purpose of this course is enhancement of the athletic training student's understanding of the proper role of physical agents in the rehabilitation of sports related injuries. Emphasis is placed in the physiological effects, indications and contraindications, and clinical application of thermal, electrical, and mechanical agents. Appropriate selection of modalities for therapeutic intervention in connective tissue repair will be discussed.

**KINE 40533 - Therapeutic Exercise**

Prerequisite: KINE 30303 and current Athletic Training majors; This course is designed to teach the student to plan and implement sport-specific functional rehabilitation programs. Emphasis is placed on development of comprehensive, individualized rehabilitation protocols incorporating open and closed kinetic chain activities, proprioceptive training techniques, plyometrics, core stability, and other functional activities based on predetermined therapeutic goals and objectives.

**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.

### Phys Educ Activity Courses

**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 10201 - Varsity Equestrian**  
Varsity Equestrian

**PEAC 10231 - Personal Defense**  
Techniques and theories of basic personal defense skills.

**PEAC 10261 - Tae Kwon Do**  
An introduction to the skills, techniques, strategies and conditioning of Tae Kwon Do.

**PEAC 10301 - Women's Rifle**  
Varsity rifle

**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 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.

## Nursing

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 Texas Board of Nursing (BON), 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 accreditation, 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 Texas Board of Nursing (BON), all applicants are informed that completion of the BSN degree offered through Harris College 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 a felony conviction involving acts likely to affect professional practice; a misdemeanor conviction involving moral turpitude; or physical or mental disability/illness, including prior or continued drug or alcohol abuse that influences the ability to practice professional nursing. (Texas Board of Nursing, 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 Dallas-FortWorth 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 at:

The Office of the Director  
Harris College, Nursing  
Texas Christian University  
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.

**Mission**

Harris College, Nursing, endorses the mission and vision of TCU. The mission of the nursing program 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 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 TCU, 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, D.C.

**Program Goals**

The program goals of Harris College, Nursing, are to

- Support the University's mission, vision, core values and goals.
- Prepare graduates who are competent to meet the unique, multiple and complex human health needs of a global society.
- Promote values and behaviors that encourage respect for diversity, acknowledge human worth and dignity, and support professional nursing practice.
- Foster an appreciation for the necessity of learning, thinking critically, and continuing to grow personally and professionally.
- Contribute to the nursing profession and society by engaging in scholarship, leadership and service.

**Nursing Degrees**

The Harris College, Nursing, offers the Bachelor of Science in Nursing (BSN).

**Nursing Major Admission**

**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 the Harris College, Nursing, administrative office.

**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 catalog at the time of entry into the major.

**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 Office of Admission 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 are February 1 for the fall semester and October 1 for spring semester. Admission Assessment (A2) 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 are not 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.

**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.

**Accelerated BSN 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. 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.

**Nursing Re-enrollment**

A student who has been a nursing major and leaves TCU must apply for re-enrollment after an absence of a full fall or spring semester. If the student meets enrollment criteria, the Office of the Registrar will contact Harris College, Nursing, to receive approval for the student to re-enroll as a nursing major. The student must meet the requirements for graduation based upon the published TCU catalog at the time of re-entry into the nursing major. Re-entering students may be required to pass comprehensive mastery exam(s). Re-enrollment is dependent on clinical space availability in practicum courses.

**Nursing Major Requirements**

Students must meet the following requirements to enroll in the first practicum semester of nursing coursework.

- The following prerequisite courses must be completed with a grade of "C" or higher before entering the first practicum nursing courses.
  - Anatomy and Physiology I (BIOL 20204 / Lab) 4
  - Anatomy and 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 (SOCI 20213) 3
  - Math - Elementary Statistics (MATH 10043) 3
  - Nutrition (NTDT 20403) 3
- 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 will be discontinued from the major.
- Current cardiopulmonary resuscitation (CPR) for health care providers card. Online CPR courses do not meet this requirement.
- Documentation of required immunizations (contact Harris College, Nursing, for list).
- No more than 18 credit hours of core curriculum that have not been completed.
- Completion of Admission Assessment (A2) (contact Harris College, Nursing, to schedule; transfer student must submit scores with application).
- Documentation of health insurance.
- Drug screen and criminal background check as required by health care agencies.

**Nursing 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 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 the Fort Worth and Dallas Metroplex.

**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**

<i>Semester 1</i>	
BIOL 20204 (Human Anatomy and Physiology)#	4
ENGL 10803 (Introduction to Composition)	3
Humanities	3
PSYC 10213 (General Psychology)#	3
NURS 10043 (Survey of Professional Nursing)	3
<i>Total hours</i>	16
<i>Semester 2</i>	
BIOL 20214 (Human Anatomy and Physiology)#	4
NTDT 20403 (Nutrition)#	3
Religious Traditions	3
SOCI 20213 (Introductory Sociology)#	3
NURS 10303 (Human Development)#	3
<i>Total hours</i>	16

**Sophomore Year**

<i>Semester 1</i>	
BIOL 20233 (Microbiology)#	3
ENGL 20803 (Intermediate Composition)	3
Historical Traditions	3
MATH 10043 (Elementary Statistics) <sup>1</sup> #	3
Humanities Electives	3
NURS 20033 (Teaching Strategies)	3
<i>Total hours</i>	18
<i>Semester 2</i>	
NURS 20041 (Genetics and Genomics in Nursing Practice)	
NURS 20163 (Pharmacology)	3
NURS 20224 (Fundamentals and Assessment: Concepts)	4
NURS 20284 (Fundamentals and Assessment: Practicum)	4
Free Elective	3
Elective*	2
<i>Total hours</i>	17

\* Choice of elective will depend upon other choices made within the HMV and HEE

**Junior Year\*\*\***

<i>Semester 1</i>	
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
<i>Total hours</i>	15
<i>Semester 2</i>	
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
<i>Total hours</i>	15

**Senior Year**

<i>Semester 1</i>	
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
<i>Total hours</i>	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
Total hours	12
<i>Grand Total Hours</i>	124

\*\*\* Summer work in non-nursing courses is recommended prior to junior year  
 1 MATH 10043 is a prerequisite to NURS 40632

**Nursing Major Progression Policies (after enrollment in practica)**

Students must have a TCU cumulative GPA of 2.5 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, 10043 and 20033).

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 Nursing 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, 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"; and
- Completed all core curriculum requirements.

**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.

**Finances**

Students enrolled in the nursing program are responsible for all 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 Nursing 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 generally required each year the student is enrolled in practicum coursework. 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.

**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 College patch during such employment. Students who are employed in a clinical setting must not sign their names as nursing students.

**Learning Center**

The Learning Center in the Annie Richardson Bass Building is available to nursing students to enhance independent learning and provide access to computers, audiovisual materials and a practice lab for mastering clinical skills. In the Learning Center, students 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 classroom lectures. 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.

**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.

**Nursing Scholarships and Grants-in-Aid**

A variety of scholarships and grants-in-aid are available to high school graduates and 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.

**Nursing Student Association**

The organizational branch of the Texas Student Nurses' Association and the National Student Nurses' Association provide 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 take place 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.

**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.

**Nursing Courses**

**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 20041 - Genetics and Genomics in Nursing**

Prerequisites: BIOL 20214, 20233, and PSYC 10213. Provides the student with introductory knowledge of genetics and genomics as applied to current and future aspects of nursing practice. Includes lecture, programmed instruction, and online learning.

**NURS 20163 - Pharmacotherapeutics**

Prerequisite or concurrent: NURS 10043; concurrent: NURS 20224, 20284. The study of specific classifications of medication and their mechanism of action, pharmacokinetics, pharmacodynamics, indications, contraindications, adverse reactions and nursing implications. The course contains a laboratory component, which addresses basic terminology, mathematical dosage calculations and psychomotor skills employed in medication administration.

**NURS 20224 - Fundamental Nursing and Health Assessment: Concepts**

Prerequisites: BIOL 20204, 20214, 20233, NURS 10303, NTD 20403; 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 20163 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 30340 - Directed Study in Nursing**

Prerequisite: Permission of faculty. Designed for students who undertake readings or projects in nursing in consultation with faculty. Letter graded and variable credit of 1-3 credit hours.

**NURS 30382 - Maternity Nursing: Practicum**

Prerequisites: NURS 30714, 30783, 30813, 30882; 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 30533 - Forensic Nursing**

Prerequisite: Must be a Nursing major. This course provides an introduction to forensic nursing and prepares the student to recognize and manage forensic patients in the healthcare setting and community at large.

**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 30583 - Aspects of Oncology**

Prerequisites: NURS 30714, 30783, or permission of instructor. This course provides the student an introduction to oncology nursing with

clinical opportunities in various oncology settings. It will serve as the first course for students interested in an oncology clinical focus.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**NURS 31003 - Applied Nursing Concepts and Learning Strategies**

Prerequisites: NURS 20224. Emphasizes application of nursing concepts and encourages development of learning strategies and self improvement techniques to foster success in the undergraduate nursing program. This course is offered to selected students in all clinical levels based on individualized assessments. Department permit required.

**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, 30312, 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 40001 - NCLEX (National Council Licensure Examination in Nursing) Review**

Prerequisites: Completion of NURS 40114 and 40183; instructor permission. This course will reinforce and complement prior knowledge gained in the nursing curriculum. Students will utilize the nursing process and critical thinking skills to review previously learned nursing concepts. Completion of the course will assist students to further prepare for National Council Licensure Examination in Nursing (NCLEX). Second semester senior nursing (Senior 2) students scoring below 850 on the Evolve Reach/HESI Exit Exam will be required to take this course concurrently with their Senior 2 courses.

**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 40213 - Civic Engagement and Leadership Supporting Healthy Communities**

Prerequisite: Junior or senior standing. Students will explore health care systems in relationship to ethical responsiveness, civic engagement, and social responsibility. Using models of leadership and service learning, diverse population health care needs will be identified. The course provides content and service learning opportunities which support students' becoming ethical leaders and global citizens.

**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: ENGL 10803, 20803; NURS 30313, 30382, 30413, 30482, 40114, 40183, 40053, 40632; 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: 40053, 40114, 40183, 40632; 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 40892 - Community Health Nursing Practicum for Registered Nursing**

Prerequisites: NURS 40053, 40114, 40183, and 40632; concurrent: NURS 40813. The nursing process is applied to community/aggregate as client. Communities/aggregates are assessed, community/aggregate diagnoses are identified, and evaluated. Systems theory, epidemiology, levels of prevention and the nation's objectives for health are discussed. Students also plan, implement and evaluate an aggregate focused teaching intervention. The course requires 120 practicum hours.

**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, 30313, 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. Emphasis is given to hospital-as-culture and diverse client populations.

**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.

## Social Work

TCU's 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 beginning social work practice. An additional objective is to prepare students for admission to graduate schools of social work (eligible for advanced standing in most master's 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 in several classes. During the senior year, students complete a block placement (12 academic hours) of field education ("internship" in one semester in a public or private social agency selected in accord with the student's area of social work interest and educational needs. Graduation with a BSSW requires a "C" or better in all social work courses.

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 (CSWE.).

**Gatekeeping**

The academic arm of the social work profession has the legal and ethical responsibility to protect both society and the profession by assessing students' readiness to work with clients. This gatekeeping responsibility is outlined and enforced through the Department of Social Work's Professional Code of Ethics. One way the department meets this objective is, as a faculty team, discussing students' professional development and readiness to interact with clients.

**Admission to Advanced Standing and Field Education**

Students may declare the social work major at any time. Admission to advanced standing in the Department of Social Work and field education requires that students:

- Have attained junior status;
- Have a 2.25 or higher overall GPA;
- Complete a minimum of nine hours of social work courses, including 10833,

- Have a 2.5 GPA in social work and a “C” or better in all social work (SOWO) courses; and
- 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 to pursue Departmental Honors must be members of the University 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.

**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.

**Pass/No-Credit Option**

All courses in the social work major 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.

**Transfer Credit**

Most core curriculum and related coursework from accredited universities will transfer. However, all courses used to satisfy the cultural awareness, global awareness, or citizenship and social values components of the TCU Core Curriculum must be taken at TCU. Social work courses from CSWE- accredited social work programs will be accepted toward the social work degree.

**Study Abroad**

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.

**Social Work Degrees**

The Bachelor of Science in Social Work (BSSW) degree is available. Social work is also available as a double major on the BS degree and as a minor on most degrees.

Requirements for the BS with a major in social work total 124 semester hours and include:

- *Three hours of human biology:* BIOL 10003 Contemporary Issues in Human Biology (may be applied to the core curriculum).
- *Three hours of statistics:* MATH 10043 (may be applied to the core curriculum).
- *Three hours of psychology:* PSYC 10213 General Psychology.

*The following 12 hours are considered foundation courses and should be taken according to course prerequisites and requirements:*

*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—45 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 40873	Capstone: Professional Identity Development
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

*Six hours chosen from SOWO electives:*

SOWO 10533	Freshman Seminar in Social Work
SOWO 30003	Honors Tutorial 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 40003	Senior Honors Research Project
SOWO 40510	Directed Study in Social Work
SOWO 40513	Interdisciplinary Approaches to Healthy Aging
SOWO 40520	Contemporary Topics in Social Work
SOWO 40523	Law and Social Work
SOWO 40543	Social Work with Older Adults
SOWO 40563	Death and Dying

*The following courses are to be taken sequentially for all social work majors:*

SOWO 30883	Generalist Practice with Individuals
SOWO 40883	Generalist Practice with Diverse Populations
SOWO 30813	Research Methods in Social Work
SOWO 30893	Generalist Practice with Communities and Organizations
SOWO 40893	Generalist Practice with Groups and Families

*The following courses are to be taken concurrently following successful completion of junior evaluation and acceptance into the major:*

SOWO 40873	Capstone: Professional Identity Development
SOWO 40886	Field Education I
SOWO 40896	Field Education II

**Social Work Minor**

A minor in social work requires 18 hours of SOWO courses, including 10833, 20863 and 30843 or 30853. Additional courses are to be selected from the social work curriculum, excluding 40886 and 40896.

**Social Work 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.

**Social Work 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.

**Social Work Courses**

**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.

**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 enactment's that 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 majors and 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.

**SOWO 30583 - Issues in Diversity**

Prerequisites: previous or concurrent enrollment in SOWO 10833, or permission of instructor. 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, SOWO 30883 or permission of the instructor, and concurrent enrollment in SOWO 30893 and 40893. 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 conduct research and to be consumers of research.

**SOWO 30823 - Ethics in Social Work Practice**

Prerequisites: SOWO 10833, or permission of instructor. 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 and BIOL 10003, or permission of instructor. 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 and BIOL 10003, or permission of instructor. 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, and concurrent enrollment in SOWO 40883, 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 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, 30883 or permission of instructor, and concurrent enrollment in SOWO 30813, 40893. 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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.

**SOWO 40513 - Approaches to Healthy Aging**

Provides students the opportunity to explore interdisciplinary approaches to working with older adults, their families, and the larger community. Involves a required service learning component in which students will develop skills, attitudes, and knowledge that will assist them in learning to value and promote healthy aging and quality of life with older adults.

**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 40873 - Capstone: Professional Identity Development**

Prerequisites: Concurrent enrollment in SOWO 40886 and 40896. This capstone course uses analysis and synthesis of course work to allow students to demonstrate professional learning and identity development appropriate to professional social work practice.

**SOWO 40883 - Generalist Practice with Diverse Populations**

Prerequisite: SOWO 10833, 20813, 20863, and concurrent enrollment in SOWO 30883, or permission of the instructor. 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 40883, 40893 and concurrent enrollment in 40896; 2.25 TCU 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. There are additional fees associated with this course.

**SOWO 40893 - Generalist Practice with Groups and Families**

Prerequisite: SOWO 30883 or permission of the instructor, and concurrent enrollment in SOWO 30813, 30893. 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 40883, 40893, concurrent enrollment in 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 (240hours). Students also attend a weekly university-based seminar which helps students integrate classroom and field learning. There are additional fees associated with this course.



# College of Science & Engineering

The College of Science & Engineering supports the mission of TCU and:

- Integrates the research and undergraduate teaching missions;
- Prepares graduates for careers and further study in science, mathematics and engineering;
- Assists in the preparation of highly qualified K-12 mathematics and science teachers; and
- Provides experiences for all TCU students that will facilitate their becoming and continuing to be scientifically and mathematically literate citizens.

The college offers the Bachelor of Science degree with majors in eighteen fields of study and the Bachelor of Arts degree with majors in seven fields. Minors in the college are available in fourteen fields.

The college is responsible for the Pre-Health Professions programs (pre-dentistry, pre-medicine, pre-veterinary medicine).

College of Science & Engineering 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 members involve undergraduates in their research programs. These students often work jointly with graduate students and post-doctoral 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.

## Multiple Majors

Students with a first major in the College of Science & Engineering may declare an additional major in lieu of or in addition to a minor on either a BA. or BS degree. The additional major may be selected from the College of Science & Engineering's list of 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 the College of Science & Engineering must have the approval of the dean of the College of Science & 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 the College of Science & Engineering with the approval of the dean of the first major and the dean of the College of Science & Engineering.

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 TCU Core Curriculum requirements and all associated requirements.

Courses applied to the requirements of one major may only be applied to the associated requirements of another major.

## Transfer Credit

Students wishing to take courses at another college or university following their admission to TCU must receive approval of such courses through the office of the dean of the College of Science and Engineering before enrolling in them.

## Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements. See the department of the major for any additional restrictions.

## College of Science & Engineering Organization

The College of Science & Engineering is organized into 10 departments.

### Departments

Biology  
Chemistry  
Computer Science

Environmental Science  
Engineering  
Geology  
Mathematics  
Nutritional Sciences  
Physics and Astronomy  
Psychology

Sid W. Richardson houses the departmental offices of chemistry, environmental science, 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; departmental offices for computer science, engineering and mathematics; and the TCU Energy Institute are located in the Tucker Technology Building.

### Interdepartmental Programs

Environmental Earth Resources (Geology)  
Neuroscience (Psychology)  
Pre-Health Professions

## College of Science & Engineering Degrees

The College of Science & Engineering administers programs that lead to the following baccalaureate degrees:

The Bachelor of Arts degree with majors in:

- Biology
- Chemistry
- Child Development (Psychology)
- Geology
- Mathematics
- Physics
- Psychology

The Bachelor of Science degree with majors in:

- Astronomy and Physics
- Biochemistry (Chemistry)
- Biology
- Chemistry
- Child Development (Psychology)
- Computer Information Technology (Computer Science)
- Computer Science
- Dietetics (Nutritional Sciences)
- Engineering
- Environmental Science
- Environmental Earth Resources
- Food Management (Nutritional Sciences)
- Geology
- Mathematics
- Neuroscience (Psychology)
- Nutrition (Nutritional Sciences)
- Physics
- Psychology

## College of Science & Engineering Bachelor of Arts

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 are found in the appropriate section of this catalog.

In addition, students must complete the TCU Core Curriculum.

### Foreign Language Requirement

All students pursuing the Bachelor of Arts degree in the College of Science & Engineering must demonstrate competency in a foreign language equivalent to the completion of one of the following:

CHIN 20063	Intermediate Chinese II
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 Admission. 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.

## College of Science & Engineering Bachelor of Science

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 found in the appropriate section of this catalog. 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.

## College of Science & Engineering Minors

The College of Science & Engineering offers minors in:

- Astronomy
- Biology
- Chemistry
- Child Development (Psychology)
- Combined Science
- Computer Information Technology
- Computer Science
- Energy Technology and Management
- Environmental Science
- Geology
- Health Care Ethics
- Mathematics
- Nutrition
- Physics
- Psychology
- Psychology of Leadership

Minors for students majoring in the College of Science & Engineering are also accepted from AddRan College of Liberal Arts, College of Fine Arts, College of Communication, College of Education, M.J. Neeley School of Business (General Business) and Harris College of Health & Human Sciences.

Only associated requirements of the major may be applied to the requirements of a minor.

## Biology

Biology is available as a major or minor on both the BA and BS degrees.

The BA 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 BS curriculum. Those who plan to apply to a medical school, dental college or other professional program must meet additional requirements of such schools.

### Prerequisites

BIOL 10504-10514 or the equivalent are prerequisites to all other courses in the department except BIOL 20204-20214, 20233, 30233, 30613 and 30803. Credit is not given for both BIOL 20233 and 30303.

### Honors Program

Biology majors who plan to pursue Departmental Honors must be members of the University 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.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Biology Major Requirements

#### BS with a Major in Biology

The program of study requires a minimum of 36 semester hours in biology as follows: BIOL 10504 and BIOL 10514; BIOL 30403, BIOL 30603; BIOL 40021; 21 additional hours in biology, including a minimum of three courses with laboratories (one of which may be either BIOL 40033, 40803 or 40900.)

*Associated Requirements:* CHEM 10113, 10125 or 10123 and CHEM 20123, 30123, 30122 and 30133; PHYS 10154, 10164; MATH 10043 or 10524; additional courses in mathematics, computer science or statistics are encouraged.

A total of 132 hours is required for the BS degree.

#### BA with a Major in Biology

The program of study requires a minimum of 27 semester hours of biology as follows: BIOL 10504 and 10514; BIOL 30403; BIOL 30603; BIOL 40021; 12 additional approved hours in biology, including a minimum of two 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 for the BA degree.

#### Biology Minor

The program of study requires 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 BA degree, the following courses may be applied: BIOL 10504-10514, 20204, 20214, 20233 (or 30303), 30104, 30504, 30603 and 40223.

#### Sigma XI Honor Society

The department is a sponsor of Sigma XI, the Honor Society for Research in the Natural Sciences.

### Biology Courses

#### 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 and biosphere levels of biological organization. Laboratory experiences are conducted in the biology computer lab. Designed for non-science majors.

#### BIOL 10433 - Freshman Seminar in Biology

Topics may vary each time it is offered.

**BIOL 10504 - Introductory Biology I**

Three hours lecture and one laboratory per week. Prerequisite: A senior high school course in Biology or Chemistry. Understanding organisms from the molecular level to that of the eukaryotic cell. Introduces the basic principles of evolution, molecular organization and function of the cell, cell structure, cell cycle, mitosis, meiosis, metabolism, Mendelian and molecular genetics. This course is prescribed for each student declaring a major interest in Biology and/or with an interest in pre-health programs.

**BIOL 10514 - Introductory Biology II**

Three hours lecture and one laboratory per week. Prerequisite: BIOL 10504. An introduction to the diversity, evolution, anatomy and physiology of eukaryotic organism (protists, fungi, plants, and animals). Topics covered include the principles of evolution by natural selection, population genetics, speciation, and taxonomy. This course is prescribed for each student declaring a major in Biology and/or with an interest in pre-health 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 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 10113-10125, or CHEM 10114-10124. A general course in microbiology. Two hours lecture and one laboratory period per week.

**BIOL 30403 - Ecology and the Environment**

Prerequisites: BIOL 10504-10514. Three hours lecture per week. Principles and concepts of ecology and their application to environmental biology and conservation. Topics will include human impacts on the environment and current issues of importance to global sustainability..

**BIOL 30404 - Comparative Vertebrate Anatomy**

Three hours lecture and one laboratory per week. This course focuses on the form and functional significance of anatomical structures in vertebrate animals. The objectives of the course are to introduce students to the anatomical evidence for evolution and to help students

develop an understanding of vertebrate anatomy that will prepare them for graduate or medical gross anatomy courses.

**BIOL 30463 - Introductory Neuroscience**

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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**BIOL 33990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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; pre- or concurrent enrollment in CHEM 30123. 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 40153 - Conservation Genetics**

Prerequisites: BIOL 10504, 10514, 30403, and 30603. Genetics plays an important and diverse role in the preservation of biological diversity. This course consists of two one-hour lectures and one three-hour laboratory each week and covers genetic theory and methods that are utilized in modern conservation efforts. Laboratory exercises focus on 1) the practical aspects of DNA extraction methods, molecular markers, PCR, sequencing, and capillary electrophoresis, and 2) analyzing the resulting genetic data.

**BIOL 40163 - Ornithology**

Prerequisites: Six semester hours in Biology. This course consists of two one-hour lectures and one three-hour laboratory each week. Lectures cover major topics in avian biology including evolution, anatomy and physiology, life histories, behavior, and conservation. The laboratory portion of the course includes identifying birds with molecular methods, analyses of vocal communication, and field trips to identify common species of Texas birds in different habitats.

**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 40313 - 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 40403 - Mammalian Physiology**

Three hours lecture per week. Prerequisites: BIOL 30603 and CHEM 30123, 30122, 30133, or permission of instructor. Basic functions of the major mammalian systems will be studied in terms of physical and chemical principles and system interactions.

**BIOL 40443 - Environmental Biology**

Prerequisites: approval of instructor. Environmental Biology is a three-hour lecture course that fulfills the writing emphasis requirement. The course is designed to introduce students to contemporary issues in environmental biology such as the biological consequences of global climate change, extinction, contaminants in the environment, and overfishing. The course will be based on class discussions of primary literature and students will complete a major writing assignments in the form of a literature review.

**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 40703 - Natural History of the American Southwest**

Prerequisites: BIOL 10514 or BIOL 30613. The Natural History of the American Southwest course is a hands-on 3 week, 5000 mile experience that allows students to acquire a working knowledge of major ecosystems of this region. Instruction is focused on the botany, zoology, ecology, geology and anthropology of regions visited. Two written exams are administered, completion of a field journal is required, and a summary paper is expected that ties together the principles, structural, and functional properties of ecosystems studied. This is an upper-level field biology course.

**BIOL 40800 - Special Topics in Biology**

Prerequisites: BIOL 30403 and BIOL 30603, or permission of the instructor. This three or four credit course will deal with a specific topic in Biology that is appropriate for Biology majors.

**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 50123 - Biostatistics**

Prerequisites: BIOL 30403 and 30603 or permission of instructor. This course consists of three hours of lecture each week. Students will gain knowledge and understanding of how statistical methods are applied to biological research. The course will emphasize hypothesis testing, study design, and the concepts, application, and interpretation of statistical results. Basic probability theory, parametric statistics, correlation, regression, analysis of variance, and non-parametric statistics will be introduced.

**BIOL 50133 - Biochemistry**

Prerequisite: CHEM 30133 and 40123 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 - Evolution**

Three hours lecture per week. Prerequisite: BIOL 10504 and 10514. Concepts and principles of organic evolution. Topics include natural selection, adaptation, quantitative genetics, sexual selection, kin selection, life history characters, speciation, and phylogeny.

#### **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 - Functional Neuroanatomy**

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 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 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 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. This course provides an introduction to the animals, plants, and ecosystems of the New World tropics. Lecture topics will include tropical climate and ecosystems, evolutionary patterns in the tropics, and conservation of biodiversity. The field experience will expose students to coastal ecosystems (coral reefs, mangroves, and seagrass beds) as well as tropical, lowland rainforest.

#### **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.)

## Chemistry

Chemistry is available as a major or minor on the BA and BS degrees. Biochemistry is available as a major on the BS degree.

#### **Honors Program**

A student may obtain Departmental Honors in chemistry by successfully completing six 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.

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

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Chemistry Major Requirements

#### **BS with a Major in Chemistry**

The program of study requires 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 CHEM 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.

#### **BA with a Major in Chemistry**

The program of study requires 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 two hours of research (40200 or 40003-40013) may contribute to the 24-hour minimum.

*Associated Requirement:* MATH 10524

Any minor approved by the College of Science & Engineering is acceptable. The BA 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 BS degree.

#### **BS with a Major in Biochemistry**

The program of study requires 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, 40131, and 50162 resulting in a minimum of 46 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 10043 or 30803.

### Chemistry Minor

The program of study requires a minimum of 18 semester hours to include CHEM 10113-10125 (or 10113, 10123, and 20123), 30123-30122 and suitable electives chosen from CHEM 30133, 30132, 40091, 40123, 40121, 50133 and 50163.

### Sigma Xi

The department is a sponsor of the TCU Chapter of Sigma Xi.

### Chemistry Courses

#### **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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 in the fall 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 10125, 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 40503 - Basic Biochemistry**

Prerequisite: CHEM 30123 or equivalent. Two hours lecture per week. Fundamental chemical properties, analysis techniques, metabolism and clinicopathology of proteins, lipids, carbohydrates, enzymes and hormones. Available for chemistry credit only to majors in Nutritional Sciences.

**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 and 40123 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.

## Child Development

The child development major and minor is administered by the Department of Psychology.

Child development is available as a major and a minor on both the BA and BS degrees.

The child development major is a multidisciplinary program drawing upon the strengths of four colleges and nine disciplines:

- Child Development
- Communication Sciences and Disorders
- Sociology
- Criminal Justice and Anthropology
- Education
- Nutritional Sciences
- Nursing
- Psychology
- Social Work

Its interdisciplinary focus is designed for students who wish to go into jobs or areas of study in child development, such as children's mental health, preschools or Head Start, as well as provide comprehensive insight into the issues of child development. The major will also work well for students who wish to double major in areas such as psychology, social work, criminal justice, communication sciences and others. This major provides students who want to work with children in these disciplines an edge in their chosen field of study.

Students who wish to major in child development must have either a minor OR a second major and must apply to the program. Program requirements include a sophomore standing, a minimum 2.5 GPA, a criminal background check and a completed application. Applications are available at [www.child.tcu.edu](http://www.child.tcu.edu) or in the Department of Psychology, Winton-Scott Hall Room 240

### Child Development Major Requirements

#### BS with a Major in Child Development

The BS with a major in child development requires 45 hours plus associated requirements as follows:

#### Associated Requirements

MATH 10043	Elementary Statistics
SOWO 10833	Introduction to Social Work
PSYC 10213	General Psychology or
PSYC 10514	Principles of Behavior I and/or
PSYC 10524	Principles of Behavior II
PSYC 30503	Behavioral Research

#### Required Courses (30 hours)

CHDV 25053	Child in Global Community
CHDV 35053	Professional Development
CHDV 50433	Vulnerable Child I: Theory
CHDV 50443	Vulnerable Child II: Practice
CHDV 50533	Case Studies in Child Development
COSD 30333	Language Development in Children
NTDT 30113*	Infant and Child Nutrition
PSYC 30473	Comparative Psychology
SOCI 30303	Marriage and Family
SOWO 30843	Human Behavior and Social Environment I

#### Elective Courses (15 hours)

##### Area A (choose one)

EDUC 30143**	Child and Adolescent Development
PSYC 30843	Child Psychology

##### Area B (choose one)

EDUC 50143**	Theories of Human Development
NURS 10303	Human Development
PSYC 40433*	Developmental Psychology
PSYC 50463	Developmental Psychology

##### Area C (choose three; courses must be from two different departments)

EDUC 30103	Introduction to Early Childhood Education
EDSP 30603	Study of the Exceptional Student
COSD 10303	Survey of Communication Disorders
COSD 10343	Basic Sign Language
COSD 30343	Aural Rehab
CRJU 30463	Juvenile Justice
CRJU 30913	Social Psychology of Crime

PSYC 30483	Human Neuroscience
PSYC 40463	Behavior Modification
PSYC 40950	Abnormal Child Psychology
SOCI/ CRJU 40463	Juvenile Delinquency
SOWO 30573	Child Welfare
Independent Studies (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)	

\*indicates writing emphasis course.

\*\* Students may not take both EDUC 30143 and EDUC 50143.

+A maximum of six hours of independent study may count toward major requirements; while a maximum of three hours of independent study/special topics may count toward minor requirements.

See department listings for descriptions. Approved list of courses is maintained in the psychology office, Winton-Scott Hall Room 240. For more information, contact Jackie Pennings, Institute of Child Development.

**BA with a Major in Child Development**

The BA with a major in child development requires a minimum of 36 hours plus associated requirements as follows:

**Associated Requirements**

*Not included in the 36-hour minimum fourth -semester language course:*

**Required Courses (15 hours)**

CHDV 25053	Child in Global Community
CHDV 35053	Professional Development
CHDV 50433	Vulnerable Child I: Theory
CHDV 50443	Vulnerable Child II: Practice
CHDV 50533	Case Studies in Child Development

**Elective Courses (21 hours)**

**Area A (choose one)**

EDUC 30143**	Child and Adolescent Development
PSYC 30323	Child Psychology

**Area B (choose one)**

EDUC 50143**	Theories of Human Development
NURS 10303	Human Development
PSYC 40433*	Developmental Psychology
PSYC 50463	Developmental Psychology

**Area C (choose three; courses must be from two different departments)**

COSD 10303	Survey of Communication Disorders
COSD 30333	Language Development in Children
EDUC 30103	Introduction to Early Childhood Education
EDSP 30603	Study of the Exceptional Student
NTDT 30113*	Infant and Child Nutrition
PSYC 30473	Comparative Psychology
PSYC 30483	Human Neuroscience
PSYC 40950	Abnormal Child Psychology
SOCI 30303	Marriage and Family
SOWO 30843	Human Behavior and Social Environment I

**Area D (Choose two; courses must be from two different departments)**

COSD 10343	Basic Sign Language
COSD 30343	Aural Rehab
CRJU 30463	Juvenile Justice
CRJU 30913	Social Psychology and Crime (may be removed)
PSYC 40463	Behavior Modification
SOCI/CRJU 40463	Juvenile Delinquency
SOWO 30573	Child Welfare
Independent Studies+ (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)	

\*indicates writing emphasis course

\*\*Students may not take both EDUC 30143 and 50143

+A maximum of six hours of independent study may count toward major requirements; while a maximum of three hours of independent study/special topics may count toward minor requirements.

See department listings for descriptions. Approved list of courses is maintained in the psychology office, Winton-Scott Hall Room 240. For more information, contact Jackie Pennings, Institute of Child Development.

**Child Development Minor**

The child development minor is a multidisciplinary program drawing upon the strengths of four colleges and eight disciplines, listed alphabetically, that include:

- Communication Sciences and Disorders
- Sociology and Criminal Justice
- Education
- Nutritional Sciences
- Nursing
- Psychology
- Social Work

Students wishing to earn the child development minor are required to take 18 hours of coursework, selected from the courses listed below. Courses must be selected from at least three different departments and may include the department of the student's major. No more than six hours may be taken from one department, and no more than three hours may be taken from Independent Studies and Special Topics courses combined. Case Studies in Child Development will be the only required course for students in the minor. Its interdisciplinary focus is designed to give students in the minor comprehensive insight into the issues of child development. Faculty are available within each of the departments to monitor availability and suitability of Special Topics courses and other special opportunities. Advising is available within the Child Development Program.

**Required Course (3 hours)**

CHDV 50533	Case Studies in Child Development
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**Elective Courses (15 hours)**

Choose five courses; no more than six hours may be taken from any one department.

CHDV/PSYC 50433	Vulnerable Child I: Theory
CHDV/PSYC 50443	Vulnerable Child II: Practice
COSD 10303	Survey of Communication Disorders
COSD 10343	Basic Sign Language
COSD 20333	Phonetics
COSD 30333	Language Development in Children
CRJU 30463	Juvenile Justice
CRJU 30913	Psychology and Criminal Justice
EDUC 30103	Introduction to Early Childhood Education
EDUC 30143	Child and Adolescent Development <i>or</i>
EDUC 50143	Theories of Human Development
NURS 10303	Human Development
NTDT 30113*	Infant and Child Nutrition
PSYC 30323	Child Psychology
PSYC 30363	Abnormal Psychology
PSYC 30473	Comparative Psychology
PSYC 40433*	Developmental Psychology
PSYC 50463	Developmental Psychology
PSYC 40463	Behavior Modification
PSYC 40483	Human NeuroPsychology
SOWO 30573	Child Welfare
SOWO 30843	Human Behavior and Social Environment I
SOCI 30303	Marriage and Family
SOCI/CRJU 40463	Juvenile Delinquency
Independent Studies+ (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)	

Special Topics (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)

\*indicates writing emphasis course

+A maximum of six hours of independent study may count toward major requirements; while a maximum of three hours of independent study/special topics may count toward minor requirements.

See department listings for descriptions. Approved list of courses is maintained in the psychology office, Winton-Scott Hall Room 240. For more information, contact Jackie Pennings, Institute of Child Development.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.



## Child Development Courses

### CHDV 25053 - Children in the Global Community

This course is designed to increase awareness about children's issues in the global community both historically and currently. It will focus on children's issues as well as intervention efforts across the globe. Along with class lectures, readings, and video supplements, students will be expected to participate in class discussions and presentations about current global issues. This course is designed to build insight and competency in students who desire to work with children in their future careers.

### CHDV 35053 - Professional Development in Careers with Children

This course is designed to prepare students with professional competencies and knowledge in working with children and families. The course will be taught as a seminar style course with visiting professionals and professors teaching on topics such as: Crisis Prevention Intervention (CPI), Child CPR, Child Abuse Prevention and Reporting, Cultural Competencies, Communication Skills, Professional Ethics, Therapeutic Boundaries. At the end of the course, students will have skills and preparation for a variety of careers with children.

### CHDV 50433 - Vulnerable Child I: Theory

The Vulnerable Child is a two-part series of multidisciplinary courses which investigate the challenges faced by families and professionals who work with children who have emotional, behavioral, and/or physiological challenges. The Vulnerable Child I: Theory will focus on the theory and research which is the basis of these challenges. If our Hope Connection summer camp for adopted children is taking place, both Vulnerable Child courses are required before students can work in it.

### CHDV 50443 - Vulnerable Child II: Practice

Prerequisites: PSYC/CHDV 50433. The Vulnerable Child is a two-part series of multidisciplinary courses which investigate the challenges faced by families and professionals who work with children who have emotional, behavioral, and/or physiological challenges. The Vulnerable Child II: Practice will focus on the training students need to evaluate and apply intervention strategies for these families and children based on the theory and research learned in the first course. Both Vulnerable Child I & II are required for students wishing to apply for Independent Studies' hours to work in The Hope connection summer camp for at-risk adopted children.

### CHDV 50533 - Case Studies in Child Development

This course is designed to present an integrated and comprehensive overview of numerous issues in child development as well as treatments/solutions for those issues. This diverse array of developmental problems will be presented in a series of case-studies by professors from several departments as well as by community professionals who specialize in children's issues. This course is a requirement for the Child Development Minor as well as an elective course in Psychology.

## Combined Science

Combined science is available as a minor on both the BA and BS degrees.

### Combined Science Minor

Requirements for the minor follow one of 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 six 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, 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

Computer information technology is available as a major on the BS degree and as a minor on both the BA and BS degrees.

### 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.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Computer Information Technology Major Requirements

The BS with a major in computer information technology requires 40 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 seven hours of approved COSC or CITE electives. No more than four hours of CITE 20970 may be counted toward these requirements.

Additional requirements include:

MATH 10043 or INSC 20153

MATH 20123

MATH 10283 or 10524

COMM 10123 or 20103

INSC 20263

MARK 30653

MANA 30653

MANA 40653

A minimum of 124 semester hours is required for this degree.

### Computer Information Technology Minor

The minor in computer information technology requires 18 hours of COSC and CITE courses, including COSC 10403, 20203, 20803; CITE 30533; and an additional six hours selected from 30000 and 40000 courses.

### Computer Information Technology 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.

## Computer Information Technology Courses

### 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 30023 - The Digital Explosion: A Cultural Transformation

Prerequisites: Junior standing. This course examines the cultural, social, ethical, and legal implications of the transforming power of the explosive growth of data and the technologies involved in producing, storing, utilizing, and communicating that data. The associated distinctions of age, gender, ethnicity, and class along with their impact on the propensity to access and utilize the products created from various technologies will be explored as well. These technological products include but are not limited to online/offline computer games, blogs, wikis, instant messaging, texts messaging, as well as web sites for online dating and social networking. This course is open to all TCU students, but may not be used to fulfill either COSC or CITE major or minor requirements.

### 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 20123. 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

Computer science is available as a major on the BS degree and as a minor on the BA and BS degrees.

The program in computer science is accredited by the Computing Accreditation Commission of ABET. 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: (410) 347-7700.

### Honors Program

Computer science and computer information technology majors who are members of the University 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.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Computer Science Major Requirements

Students must fulfill 45 semester hours of computer science, of which 39 hours must be COSC 10403, 20203, 20803, 30203, 30253, 30353,

30403, 30603, 40203, 40603, 40943, 40993 and CITE 30533; six hours of approved computer science electives shall be selected from courses at the 30000 level or above.

**Mathematics and Science Requirements:** Students are required to complete 32 hours, which must include 17 hours of mathematics (MATH 10524, 20123, 30123, 30224 and 30803), and a two-semester science sequence (including laboratories) plus two additional one-semester science courses. All science courses must be selected from biology, chemistry, environmental science, geology or physics. Courses for non-science majors may not be counted in this category.

A minimum of 132 semester hours is required for the degree. A computer science major must have a minimum 2.2 GPA in all computer science coursework to graduate.

### Computer Science Minor

Students must fulfill 18 hours of computer science, including COSC 10403, 20203, 20803, 30203 and an additional six hours selected from 30000 and 40000 level courses.

### Computer Science 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.

### Computer Science Courses

#### 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, program 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 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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 20123, 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 20123. 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30123. 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 40403 - Analysis of Algorithms**

Prerequisites: COSC 20803, MATH 30123, and a knowledge of probability and statistics. Topics concerning what can and cannot be proven about computational complexity, including algorithm design methodology, techniques for analysis of space and time requirements, and P and NP completeness.

**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 30123. 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).

**Energy Technology and Management**

**Energy Technology and Management Minor**

This minor is intended for any major wishing to also minor in energy technology and management. It will help provide students with an understanding of the current/emerging technologies and management strategies associated with the energy business. The minor requires 18 credits from the programs and departments listed below.

No more than two courses from any program or department listed below may count for this minor. Courses taken for the major may not be applied toward the minor. No more than two courses for this minor may be taken P/NC. No grade lower than a "C" may be applied to the minor. Any course substitutions or exceptions must be approved by the program adviser of the Energy Institute.

*Business*

- MANA 30653 Survey of Management
- MANA 40653 Survey of Entrepreneurship
- MARK 30653 Principles of Marketing

*Computer Science*

- COSC 10503 Introduction to Programming for Engineering and Science

*Economics*

- ECON 10223 Introduction to Microeconomics
- ECON 10233 Introduction to Macroeconomics

*Engineering*

- ENGR 10053 Introduction to Engineering Design
- ENGR 40203 Engineering Economic Analysis
- ENGR 40303 Petroleum Industry Overview

*Environmental Science*

- ENSC 10143 Principles of Environmental Science
- ENSC 40193 Environmental Stewardship
- ENSC 50703 Special Problems-Issues in Environmental Compliance

*Geology*

- GEOL 10113 Understanding the Earth
- GEOL 30233 Rock Cycle
- GEOL 40970 Special Problems in Energy and Geology
- GEOL 50563 Prospect to Production
- GEOL 50423 Petroleum Geology
- GEOL 50723 Geographic Information Systems-GIS

*Energy Technology and Management*

- ENTM 40970 Directed Studies in Energy Technology and Management (3 credits)
- Sustainable Energy
- GIS Prospect to Production

MANA 40970 Entrepreneurship in Energy

## Energy Technology & Management

### Energy Technology & Management Courses

#### ENTM 40970 - Directed Studies in Energy Technology and Management

Prerequisites: Must have C or better in at least 9 hours of approved courses in the minor and permission of instructor and program advisor.

## Engineering

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 four educational objectives:

1. Engineering graduates should be able to apply scientific and mathematical fundamentals to solve engineering problems;
2. Engineering graduates should be able to lead, work and communicate within teams;
3. Engineering graduates should be able to work professionally and ethically; and
4. Engineering graduates should be able to continue to learn.

Available as a major on the BS 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 that 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 Engineering program is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD21202-4012, telephone: (410) 347-7700.

The programs of study are identical for the first three semesters with an emphasis choice required during the second year. A minimum total of 129 hours of TCU Core Curriculum, engineering and associated courses is required for the BS degree with a major 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.

#### Honors Program

Engineering majors who plan to pursue Departmental Honors must be members of the University 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 Admission section of this catalog for general admission requirements and deadlines. A degree plan is 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.

#### Pass/No-Credit Option

All courses used to meet TCU 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.

### Engineering Major Requirements

The BS with a major in engineering requires 48 semester hours in the engineering core, including ENGR 10032, 10033, 10042, 20404, 20603, 20613, 30014, 30444, 30623, 30704, 30903, 40203, 40484, 40903 and 40913; and a minimum of 19 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, 40861, 40871 and a set of approved elective courses.

All electives must be approved by an engineering faculty adviser to ensure that each student's program of study meets both University and engineering accreditation criteria.

*Associated Requirements:* MATH 10524, 20524, 30524, 30613, 30853; PHYS 20474, 20484; CHEM 10113 or 10114; and COSC 10403 or 10503.

#### TCU 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 TCU 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 adviser.

#### 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 adviser.

#### Engineering 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 the Institute of Electrical and Electronics Engineers (IEEE), American Society of Mechanical Engineers (ASME), American Institute of Aeronautics and Astronautics (AIAA), Association of Computing Machinery (ACM), American Institute of Aeronautics and Astronautics (AIAA), and Society of Women Engineers (SWE) are active on 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 and 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 participate in their local chapter activities.

#### Fundamentals of Engineering 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.

### Engineering Courses

#### ENGR 10032 - Static Mechanics

Prerequisites: ENGR 10033; 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 20524. Corequisite: Math 30613. 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 10032, 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. Curved beams. Thick-walled cylinders and spinning disks. Torsion 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 20123, 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, buses. 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: 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 40303 - Petroleum Industry Overview**

Prerequisites: ECON 10223, ENGR 40203, MATH 10524 or MATH 10283, or permission of instructor. This course will cover the upstream side of the petroleum industry. It will start with geology, the formation of oil and gas, and the geophysical characteristics which characterize the location of oil and gas. Next, the drilling process for both exploration and production will be considered. Finally, the actual production of oil and gas from the reservoir will be developed. Economic considerations will be developed throughout the process.

#### **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 40464 - Theory and Fabrication of Microelectronic Devices**

Prerequisites: ENGR 30444. This course provides a theoretical background and a practical laboratory experience in modern microelectronic device fabrication technologies and processes. The students will learn the theory of the nested set of microelectronic processing techniques used to manufacture microelectronic devices. Each student will actively participate in a laboratory whose focus is to fabricate and test the performance of silicon-based microelectronic devices, including: metallized and diffused resistors, pn-junction diodes, metal-oxide-semiconductor (MOS) capacitors, and MOS field-effect transistors (MOSFETs).

#### **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. 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**

The major in environmental earth resources is administered by the Department of Geology and available as a major on the BS degree. It is intended for students seeking a degree that combines environmental geology, GIS and satellite imagery for mapping earth resources.

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

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

#### **Environmental Earth Resources Major Requirements**

The BS with a major in environmental earth resources requires 34 hours in geology and 17 hours from related science/math departments.

*Required Geology/Environmental Science courses: 20 hours*

ENSC 10143	Contemporary Environmental Issues
GEOL 10113	Understanding the Earth
GEOL 30213	Mineralogy
GEOL 30423	Structural Geology
GEOL 40393	Soils in the Environment
GEOL 50713	Environmental Geology
GEOL 50721	Geographic Information Systems
GEOL 50731	Remote Sensing Technology

GEOL 50901	Computer Applications in Geology
<i>14 more required hours from the following options:</i>	
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 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 50553	Integrating and Interpreting Subsurface Geological Data
GEOL 50563	From Prospect to Production
GEOL 50593	Hydrologic Modeling
GEOL 50863	Spatial Analysis
GEOL 50723	Geographic Information Systems
GEOL 50741	Image Processing
GEOL 50751	Image Interpretation
ENSC 50713	Phase I and II Environmental Site Assessment
ENSC 50723	Water and Wastewater Technology
ENSC 50733	Hazardous Waste Operations and Emergency Response
ENSC 50743	Environmental Impact Statements
ENSC 50773	Introduction to Environmental Law
ENSC 50783	Environmental Chemistry
ENSC 50753	Environmental Management Systems
GEOL 50912	Statistical Applications for Microcomputers
GEOL 50922	Mapping Applications for Microcomputers

*Additional Associated Requirements: 14 hours*

BIOL 10003	Contemporary Issues in Biology
CHEM 10113	General Chemistry
MATH 10524	Calculus I
PHYS 10154	Physics I

*Approved Electives:* In science, math or computer science as approved by the adviser.

The total hours required for the BS degree with a major in environmental earth resources is 132 semester hours.

## Environmental Sciences

Environmental sciences is available as a major on the BS degree and a minor on the BA or BS degrees.

### 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 chair of the Department of Environmental Sciences and the student's adviser.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Environmental Sciences Major Requirements

The BS with a major in environmental sciences requires 46 semester hours from the following:

*The Core (22-24 semester hours)*

BIOL 10003	Contemporary Issues in Biology and
BIOL 30613	Natural History or
BIOL 10504	Introductory Biology I and
BIOL 10514	Introductory Biology II
GEOL 10113	Understanding the Earth
ENSC 30133	Concepts of Environmental Sciences
BIOL 30403	Ecology
GEOL 40393	Soils in the Environment
ENSC 40193	Environmental Stewardship Seminar
ENSC 40001	Environmental Presentations

### Electives (24 semester hours)

Students must select 24 hours of coursework with an emphasis in the biological, geological or environmental sciences.

### Associated Requirements (19 semester hours)

CHEM 10113	Freshman Chemistry
CHEM 10125	General Chemistry with Lab
PHYS 10154	General Physics I

MATH 10043	Elementary Statistics (or approved substitutions)
MATH 10524	Calculus I (or equivalent)

The total required for the B.S with a major in environmental sciences is 132 semester hours.

### Environmental Sciences Minor

The minor in environmental sciences requires a minimum of 18 semester hours of biology, geology or environmental sciences courses, including a minimum of three upper-division (30000 or above) courses.

### Environmental Science Courses

#### ENSC 10143 - Contemporary Environmental Issues

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 10243 - Environmental Context: Natural History of North-Central Texas

This course is part of the Integrated Academic Community, one of five freshman courses run in tandem. It introduces environmental history, which integrates earth sciences, ecology, natural history, and environmental literature. Assignments are designed to increase awareness about how the regional environment has been shaped by interactions among cultural and natural processes. There also is emphasis on understanding the complex cosmology assembled from the various European imperialism, and urban ecology. The course centers upon five all-day field trips in the vicinity of Fort Worth. Trips include presentations and exercises representing different expert perspectives, designed both to showcase individual enthusiasms and to explore how disciplinary knowledge can be integrated into a richer understanding of the local environments. Whenever possible, readings from both scientific and literary sources are used to interpret the same landscapes and phenomena. Students practice describing environments in different modes, in order to cultivate the breadth of perspective required for environmental literacy. Each trip is framed during 2-hour evening sessions to discuss assigned readings, insights from the previous trip, and relevant concepts for the next trip.

#### 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 30003 - Junior Honors Seminar in Environmental Science

Prerequisite: Permission of Instructor.

#### ENSC 30133 - Concepts in Environmental Science

Prerequisites: CHEM 10113 or concurrent enrollment, and an introductory Biology course. Three hours lecture per week. This course provides students with the basic scientific principles underlying major environmental/resource problems that confront the global community.



The course will help develop the scientific knowledge and understanding of the major environmental problems associated with the air, water, land, and biota, as well as issues associated with population, biodiversity, energy, sustainability, and urbanization.

#### **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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **ENSC 33990 - International Residential Study**

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#### **ENSC 40001 - Scientific Presentations**

Prerequisites: must be an Environmental Science major. The goal of this course is to acquaint the student with the organization, preparation and effective delivery of scientific seminars.

#### **ENSC 40003 - Senior Honors Research in Environmental Science**

A research study and paper, under faculty direction, in some area of environmental science.

#### **ENSC 40013 - Environmental Internship**

Prerequisites: Students must have a C or better in at least 9 hours of approved courses in the minor or degree, plus permission of instructor and program advisor. Students must spend at least 135 hours in approved practical work experience with an organization or company approved by the program director.

#### **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 50003 - Applied Projects Partnership Program**

Prerequisites: Must have C or better in at least 9 hours of approved courses in the minor or degree, plus permission of instructor and program advisor. ENSC faculty will identify opportunities for students to

partner with local businesses, industry and consulting firms to solve real-world problems and create professional deliverables. Students will be matched with the positions that are available, based on observed talents and the type of experience they seek. This is a student-lead project. ENSC faculty provide oversight and guidance but will NOT manage the project or direct the team.

#### **ENSC 50203 - Riparian and Wetland Diversity**

Prerequisites: Six hours of biology, geology, or environmental science courses. Note: students who enroll in this course may not enroll in ENSC 50246 for credit. This field-intensive course introduces skills to study the diversity of riparian and wetland habitats of North Central Texas. The curriculum introduces methods of sampling a site in terms of its macroinvertebrates, flora, vegetation, soils, and hydrologically relevant landforms. The field modules are macroinvertebrates, plant zonation, and description of substrates, topography, and landscape context. Some exercises may be done in conjunction with the Wetland Delineation class. The field trips run Thursday evening through Sunday, and are required for all students.

#### **ENSC 50213 - Terrestrial Envirodiversity**

Prerequisites: Six hours in biology, geology, or environmental science. Note: students who enroll in this course may not enroll in ENSC 50246 for credit. This field-intensive course introduces skills to describe the diversity of terrestrial life and landscapes. The curriculum introduces methods of sampling a site in terms of its macroinvertebrates, flora, vegetation, rocks, soils, and landforms. Collections of invertebrates and plants are required. Field skill instruction includes context description, emphasizing vegetation structure correlated with soils, geology, and landforms. The three field modules are terrestrial invertebrates, plant communities, and geology-landforms-soils description. These field trips run Thursday evening through Sunday, and are required for all students.

#### **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.

#### **ENSC 50503 - Wetlands Delineation and Management**

Prerequisites: major field of study within the College of Science & Engineering, graduate enrollment, or permission of instructor. To develop a working understanding of the wetland delineation process using the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and regional supplements. Students will be taught how to measure the three parameters required for a jurisdictional wetlands. In addition, students will learn a basic understanding of wetland ecology. At the end of the course students will be able to use the manual to assist in delineating wetlands.

#### **ENSC 50513 - Wetlands Restoration**

Prerequisite: major field of study within the College of Science and Engineering, graduate enrollment or permission of instructor. To develop a working understanding of stream and wetland riparian ecology, methods to evaluate and categorize streams and wetlands, and methods to restore, enhance and create streams and wetlands. Students will be taught the various methods of stream/wetland evaluations and categorization and will apply these methods on an actual stream and wetland. Students will evaluate and develop a working plan for stream and wetland restoration. In addition, students will visit various restoration projects in the region.

#### **ENSC 50703 - Environmental Compliance**

This course is designed to teach the basics of environmental compliance for students seeking a career in either environmental consulting or environmental compliance for industry. At the completion of the course, students will understand the basics of environmental regulatory framework, how environmental regulations interrelate, federal versus state or local regulatory agency authority, basic permitting processes, and the fundamentals of compliance auditing. Students will have the opportunity to apply the knowledge they gain to re-life situations throughout the class.

**ENSC 50713 - Phase I and Phase II Environmental Site Assessment**

Prerequisites: Must be a Science and Engineering major, grad student, or have permission of the instructor. This course is designed to teach the basics of Phase I and Phase II Environmental Site Assessments for students seeking a career in environmental consulting. At the completion of the course, students will understand the basics of performing environmental site assessments, the environmental regulatory framework, and the fundamentals of site investigation. Students will have the opportunity to apply the knowledge they gain to real-life situations throughout the class.

**ENSC 50723 - Water and Wastewater Technology**

Prerequisites: Major field of study within the College of Science & Engineering, graduate enrollment or permission of the instructor. This course is designed to teach the basics of water and wastewater treatment technology, including regulations, for students seeking a career in environmental consulting. At the completion of the course, students will understand the basics of water and wastewater treatment, the regulations affecting water and wastewater treatment and pretreatment programs. Students will have the opportunity to apply the knowledge they gain to real-life situations throughout the class.

**ENSC 50733 - Hazardous Waste Operations and Emergency Response**

Prerequisites: Must be a Science and Engineering major, grad student, or have permission of the instructor. This course is designed to teach the basics of worker protection for those who will work with hazardous substances during clean up operations and emergency response. The course is designed to meet the requirements of OSHA (Occupational Safety and Health Administration) regulations under 29 CFR 1910.120. At the completion of the course, students will understand the basics of hazardous materials/substances, routes of exposure, personal protective equipment, and permissible exposure limits. Students who complete the entire 40 hours of instruction will receive an occupational certification for the 40-hour initial course in accordance with 29 CFR 19101.120.

**ENSC 50743 - Environmental Impact Statements**

Prerequisites: Must be a Science and Engineering major, grad student, or have permission of the instructor. This course is designed to teach the basics of Environmental Impact Statements and the NEPA process for students seeking a career in environmental consulting. At the completion of the course, students will understand the basics of evaluating federally-funded development projects for impacts to the environment. Students will be able to evaluate if the project qualifies for a categorical exclusion, and perform environmental assessment (EA) and environmental impact state (IES). Students will have the opportunity to apply the knowledge they gain to real-life situations throughout the class.

**ENSC 50753 - Environmental Management Systems**

Prerequisites: ENSC 50703 or permission of instructor. This course is designed to provide an overview of environmental management systems (EMS) and how EMS can support environmental improvements at facilities that are subject to environmental regulations. At the completion of the course, students will have an understanding of how an EMS allows an organization to systematically manage its environmental and health safety matters. Students will also understand the state and federal requirements for an EMS and how an EMS compares with ISO14001 certification.

**ENSC 50763 - Groundwater Hydrology**

Prerequisites: major field of study within the College of Science & Engineering, or permission of instructor. This course is designed to teach the basics of groundwater hydrogeology including hydrologic cycle, aquifers, groundwater flow, groundwater recharge, water chemistry and groundwater contamination. At the end of this course, students will be able to understand the relationship between surface water and groundwater, groundwater protection, field methods, and groundwater development.

**ENSC 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.)

**ENSC 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.

## Geology

Geology is available as a major or minor on both the BA and BS degrees.

**Honors Program**

Geology majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in GEOL 30003 during their junior year and GEOL 40013 during the fall semester of their senior year.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Geology Major Requirements

**BS with Major in Geology**

The BS with a major in geology requires 33 semester hours in geology, including GEOL 10113, 30133, 30143, 30213, 30223, 30243, 30423 and 40516.

*Associated Requirements:* ENSC 10143, MATH 10524 and either MATH 20424 or 20123; PHYS 10154, 10164 (or PHYS 20474, 20484); CHEM 10113, 10125 (or CHEM 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.

A total of 132 semester hours is required for graduation with the BS degree.

Students planning to pursue technical jobs or qualify for graduate work in geology are strongly advised to satisfy the requirements for the BS degree. Some geology courses required for the BS degree require off-road field trips, particularly GEOL 40516, which requires a high degree of physical fitness and mobility.

**BA with a Major in Geology**

The BA with a major in geology requires 21 semester hours in geology consisting of GEOL 10113, 30133, 30143, 30213, 30223, 30243, 30423, as well as ENSC 10143.

*Associated Requirements:* CHEM 10113. Some geology courses for the BA degree require off-road field trips.

Any minor approved for the BA degree is acceptable.

The BA degree with a major in geology is devised primarily for the student seeking a curriculum combining geology with another field of study.

### Geology Minor

The minor in geology requires a total of 18 semester hours in geology of which nine semester hours must be at the 30000 level or above.

### Geology 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.

### Geology Courses

**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 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### **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 30123 - Dinosaurs and Their World**

Three hours of lecture per week. Prerequisite: GEOL 10113 or consent of instructor. A broad-based inquiry into dinosaurs, the biological and geological aspects of their world and those who study them. We will approach dinosaurs from many different fields of science in an attempt to reconstruct their world. The course is intended for science and non-science students.

#### **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 30253 - Scotland and the Scots**

Prerequisites: Junior standing or permission of instructor. This course is a three-week immersion in the land and people of Scotland. It will acquaint you with the landscape and the culture of this small country and the enormous contributions of its peoples to Western civilization and American society. After taking this course you will be able to understand and evaluate the contributions of Scottish culture to Western Europe and the world.

#### **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 30990 - International Residential Study**

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#### **GEOL 33990 - International Residential Study**

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#### **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 period 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 50553 - Integrating and Interpreting Subsurface Geological Data**

Prerequisites: GEOL 50331 and 50361, or permission of instructor. A workstation-based practicum on managing and integrating geologic data. Students will become familiar with one or more widely-used software packages for handling multiple data sets used in oil and gas exploration and field development.

**GEOL 50563 - From Prospect to Production**

Prerequisites: Advanced standing in geology or permission of instructor. A broad overview of the geologic, engineering and business sides of the oil and gas industry. The course will acquaint students with all the steps in the production of oil and gas from developing a prospect to delivering a product: how geologists decide where to drill, how mineral rights are acquired, how contracts are structured, and how financing is obtained for oil and gas deals. Includes the study of drilling and completion operations and the technology required to produce oil and gas. Students will also be acquainted with the legal, regulatory and environmental issues encountered in drilling for oil and gas.

**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 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 50713 - Environmental Geology**

Prerequisite: permission of the instructor. Two hours per week of lecture, and three hours per week of laboratory work. 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 50863 - Spatial Analysis**

Prerequisites: GEOL 50723, 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 50723.

**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

Health care ethics is available as a minor. It requires 18 semester hours, with courses to be taken from at least three different academic units, as follows:

**Health Care Ethics Minor***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

Math is available as a major and a minor on both the BA and BS degrees.

Factors that determine a student's placement include:

- High school credits presented;
- Scores achieved in the SAT, ACT or other appropriate examination;
- Performance in advanced placement examinations. Advanced placement, with credit, is available for MATH 10054, 10524 and 20524.

Students majoring in business ordinarily select from a MATH 10273/10283 or a MATH 10054/10524 sequence.

Credit will not be given for both MATH 10273 and MATH 10054.

Credit will not be given for both MATH 10283 and MATH 10524.

**Honors Program**

Mathematics majors who plan to pursue Departmental Honors must be members of the University Honors Program. A minimum 3.5 GPA in the major is required. Coursework must include at least three of MATH 40353, 40663, 50253, 50323, 50403, 50503, 50613, 50623 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.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

**Mathematics Major Requirements**

For a student taking a major in mathematics (BA or BS), 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 COSC 10403 or 10503. In addition, MATH 20123 should be taken in one of the first four semesters.

Students planning to do graduate work in mathematics should work closely with an adviser to plan their upper-division electives.

Credit is not allowed for both MATH 10283 and 10524.

**BA with a Major in Mathematics**

The BA with a major in mathematics requires 28 semester hours of mathematics with a grade of "C" or better, of which 19 must consist of MATH 10524, 20123, 20524, 30224 and 30524. An additional nine hours must be chosen from among mathematics courses at or above the 30000 level. Also required are COSC 10503 or 10403 or 10503, and PHYS 20474 and 20484.

A minimum of 124 semester hours is required for the degree.

**BS with a Major in Mathematics**

The BS with a major in mathematics requires 40 semester hours of mathematics with a grade of "C" or better, of which 28 must consist of MATH 10524, 20123, 20524, 30224, 30524, 30803, 50253 and 50503. An additional 12 semester hours from among mathematics courses at or above the 30000 level are required. Also required are COSC 10503 or 10403 or 10503, and PHYS 20474 and 20484.

A minimum of 132 semester hours is required for the degree.

**Mathematics Actuarial Concentration**

This program may be pursued under either the BA or BS option as described above. Mathematics coursework for the actuarial concentration must include MATH 30603, 30803, 30853 and 40603. Additional required courses outside the Department of Mathematics are ECON 10223, 10233, 30223 and 30233, as well as ACCT 20153, 20163 and FINA 30153. Students seeking the BA degree are advised to consider a minor in economics. All actuarial students need to work closely with an adviser to plan course schedules.

**Mathematics Minor**

The mathematics minor requires 18 semester hours of mathematics with a grade of "C" or better, including MATH 10524, 20524 and 30224, and an additional six semester hours from among MATH 20123 and courses at or above the 30000 level; COSO 10403 or 10503 is also required.

**Mathematics Certification, Secondary and Middle School**

Students seeking certification for either grade levels 8-12 or 4-8 should be advised by both a mathematics faculty member and an adviser in the College 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 the BSE degree from the College of Education.

**Mathematics Affiliations**

TCU is an institutional member of the American Mathematical Society and 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.

**Mathematics Courses****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 apportionment, voting methods, graph theory, tilings and polyhedra, 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. Students may not receive credit for both MATH 10043 and INSC 20153.

**MATH 10054 - Precalculus with Trigonometry**

Prerequisites: MATH 10023 or 2 years of high school algebra and one year of geometry. Precalculus treatment of polynomial, rational, exponential, logarithmic, and trigonometric functions with particular emphasis on topics needed for MATH 10524. Note: Credit will not be given for both MATH 10273 and MATH 10054. Note: This course does not satisfy the core mathematical reasoning requirement or the UCR in mathematics.

**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 10054 and MATH 10273.

**MATH 10283 - Applied Calculus**

Prerequisite: MATH 10273 with a grade of C or better, or MATH 10054 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 10054 with a grade of C or better, or AP Calculus AB or BC score of 3 or better, or SAT Subject Test (SAT II), Mathematics Level 1 (1C) with a score of 560 or better, or SAT Subject Test (SATII), Mathematics Level 2 (IIC) with a score of 520 or better, or a passing grade on the Calculus Placement Test. 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 20043 - Mathematics for Elementary Teachers**

Prerequisites: Completion of the Core curriculum Mathematical Reasoning requirement. A mathematics content course for EC-6 Education Majors. The basic foundations of mathematics will be stressed in the development of problem-solving skills and an understanding of the operations and properties of the real number system and basic topics in geometry. Note: this course may not be counted toward a major or minor in Mathematics.

**MATH 20053 - Mathematics for Middle School Teachers I**

Prerequisites: completion of the Core Curriculum Mathematical Reasoning requirement. A mathematics content course for Middle School Mathematics Education Majors. Topics will be selected from: an introduction to mathematical reasoning, sets, relations and functions, development of the real number system, systems of enumeration, change of base, elementary number theory. Note: May not be counted toward a major or minor in mathematics.

**MATH 20063 - Mathematics for Middle School Teachers II**

Prerequisite: Completion of the Core Curriculum Mathematical Reasoning requirement. A mathematics content course for Middle School Mathematics Majors. Topics will be selected from: an introduction to the geometry of polygons, circles, polyhedra and spheres, transformations, similarity, constructions, measurement, coordinate geometry, networks, logic. Note: may not be counted toward a major or minor in mathematics.

**MATH 20123 - Discrete Mathematics I**

Prerequisite: MATH 10054 or two years of high school algebra. An introduction to discrete methods used in mathematics and computer science. Topics covered include formal logic, sets, functions, proof techniques including mathematical induction, number theory, algorithms, and combinatorics.

**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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses

appearing on a student's official transcript have been included in the student's grade point average.

**MATH 30000 - Honors Seminar**

Prerequisite: MATH 30224 or permission of the instructor. 1 - 3 semester hours.

**MATH 30123 - Discrete Mathematics II**

Prerequisite: MATH 20123. Continuation of MATH 20123. Topics covered include recurrence relations, the principle of inclusion-exclusion, binary relations, graphs and trees and Boolean algebra.

**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 20123 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 30623 - Interest Theory II**

Prerequisites: MATH 30603. Treatment of bonds and yield rates, stocks and financial markets, arbitrage, the term structure of interest rates, options and swaps, and topics in interest rate sensitivity including duration, convexity and immunization.

**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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 40403 - Higher Geometry**

Prerequisites: MATH 20524 with a grade of 'C' or better. Classical geometric constructions. The basic concepts of Euclidean Geometry

and analytic geometry. An introduction to non-Euclidean geometry as time permits. Geometry software applications for each of these topics.

#### **MATH 40603 - Actuarial Mathematics**

Prerequisites: MATH 30524 and 30803. Applications of calculus, probability, and statistics, emphasizing problems in risk management and insurance.

#### **MATH 40623 - Actuarial Internship**

Prerequisites: 2.75 GPA in major, completion of either MATH 30603 or MATH 40603, and approval of department chair. Practical experience in the actuarial field. Must include a minimum of 260 work hours in an approved practical experience situation. This course may only be taken pass/no credit.

#### **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: MATH 20524. A survey of the history of mathematics from ancient times to the seventeenth century. Emphasis on topics closely related to contemporary mathematics

#### **MATH 50253 - Abstract Algebra I**

Prerequisite: MATH 20123 and MATH 30224. Introduction to groups and rings. Homomorphisms, isomorphisms, subgroups, and ideals. Quotient and product structures.

#### **MATH 50323 - Differential Geometry**

Prerequisite: MATH 30224 and 30524. Calculus on Euclidean space. Geometry of curves and surfaces.

#### **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 20123, MATH 30224, and MATH 30524. A rigorous development of elementary limit processes. Continuity, sequences, series, differentiation, integration.

#### **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 50703 - Number Theory**

Prerequisite: MATH 20123 and MATH 30224. Properties of the integers. Divisibility, prime numbers, modular arithmetic, Chinese Remainder Theorem, Diophantine equations.

## Neuroscience

Neuroscience is available as a major on the BS degree.

This interdisciplinary major is built upon the understanding of basic principles in neuroscience. Neuroscience blends areas within psychology and chemistry, 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.

### Neuroscience Major Requirements

The BS with a major in neuroscience consists of the following requirements:

*Biology (20 hours)*

A. Required Courses(8 hours):  
BIOL 10504 Introductory Biology I  
BIOL 10514 Introductory Biology II

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 40403 Mammalian Physiology

#### *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

#### *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 Introductory Neuroscience  
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

#### *Physics (8 hours)*

PHYS 10154 General Physics I  
PHYS 10164 General Physics II

#### *Mathematics and Computer Science (Minimum of 6 hours)*

MATH 10043 Elementary Statistics  
MATH 10524 Calculus I  
COSC 10403 Introduction to Programming

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

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

## Nutritional Sciences

Nutritional sciences is available as a major on the BS degree and a minor on both the BS and BA degrees. The four degree options are:

- Coordinated Program in Dietetics (American Dietetic Association)
- Didactic Program in Dietetics (American Dietetic Association)
- Nutrition
- Food Management

All BS degrees in nutritional sciences follow the TCU Core Curriculum requirements for the College of Science & Engineering.

#### **Honors Program**

Nutritional sciences majors who plan to pursue Departmental Honors must be members of the University Honors Program and should enroll in NTDT 30003 during their junior year and NTDT 40003 during the fall semester of their senior year.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

**Nutritional Sciences Major Requirements**

**Coordinated Program in Dietetics (Option I)**

A Coordinated Program in Dietetics is an academic program in a U.S. regionally accredited college or university that culminates in a minimum of a baccalaureate degree. The Coordinated Program in Dietetics (CPD) at TCU offers students the unique opportunity to acquire both the required didactic instruction (lecture and laboratory courses) and 1,200 clock hours of supervised practice necessary to meet the Knowledge Requirements and Competencies for Entry-Level Dietitians as mandated in the Eligibility Requirements and Accreditation Standards 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.

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 students 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 coursework 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.

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 TCU 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), 45 semester hours of required prerequisites and major courses, and an application packet. Application packets for the Coordinated Program in Dietetics must be received by February 1, and applicants are notified of provisional acceptance by April 15. Students who are accepted begin coursework 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 Coordinated Program in Dietetics is contingent upon attainment of a strong academic record and successful completion of the program sequence. Upon graduation, the student must attain a minimum cumulative GPA of 3.0 (based on a 4.0 scale), attain a minimum GPA of 2.5 in the associated requirements, and earn a grade of "C" or better in all NTD courses and all associated requirements. Students who successfully complete the Coordinated Program in Dietetics will receive verification and are eligible to take the Registration Examination for Dietitians.

Costs for tuition and University fees are available through the Office of Admission or Financial Services. More detailed costs for students are outlined in the CPD Student Handbook and include approximately \$1,000-\$1,500 per year for travel to supervised practice sites, lab fees, photocopying, school and office supplies, textbooks, lab coats, malpractice insurance and professional dues.

The TCU 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, telephone: 312.899.0040, ext. 5400.

*Major Requirements:* NTD 10003, 10103, 20403, 21163, 30123, 30144, 30303, 30306, 30313, 30317, 30331, 30333, 40333, 40337, 40343, 40353, 40363, 40364, 40373, 40403, 40411, 40421, and 40431. *Total NTD Credit Hours:* 74. *Associated Requirements:* CHEM 10113, 10125, 30123, and 40503; BIOL 20214 and 20233; MATH 10043; ECON 10223; SOCI 20213; PSYC 10213, MANA 30153. No minor is required. All upper-level (30000 and 40000) NTD courses must be taken at TCU.

A *minimum* of 128 semester hours is required for the baccalaureate (BS) degree.

**Didactic Program in Dietetics (Option II)**

A Didactic Program in Dietetics is an academic program in a U.S. 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 Knowledge Requirements for Entry-Level Dietitians as mandated in the Eligibility Requirements and Accreditation Standards of the Commission on Accreditation for Dietetics Education (CADE) of The American Dietetic Association. The curriculum includes courses with a focus on basic human nutrition, food science, food and culture, community nutrition, food systems management, medical nutrition therapy and nutrition research. These courses are based on a solid science and math background, which include general chemistry, organic chemistry, biochemistry, microbiology, physiology, psychology and elementary statistics. The DPD prepares students for careers in a variety of nutrition/dietetics settings, including clinical, community, education, food systems or business/entrepreneurial.

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).

Admission to TCU is required for all programs; however, admission to the University does not guarantee admission to the Didactic Program in Dietetics. Eligibility for admission to the TCU Didactic 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), 45 semester hours of required prerequisites and major courses, and an application packet. Application packets for the Didactic Program in Dietetics must be received by February 1, and applicants are notified of provisional acceptance by April 15. Students who are accepted begin coursework the subsequent fall semester. Final acceptance/enrollment in the Didactic Program in Dietetics depends on successful completion of work in progress and required summer school prerequisites.

A student's continuation in the Didactic Program in Dietetics is contingent upon attainment of a strong academic record and successful completion of the program sequence. Upon graduation, the student must attain a minimum cumulative GPA of 3.0 (based on a 4.0 scale), attain a minimum GPA of 2.5 in the associated requirements, and earn a grade of "C" or better in all NTD courses and all associated requirements. Students who successfully complete the Didactic Program in Dietetics will receive verification and are eligible to apply for a post-graduate Dietetic Internship.

Costs for tuition and University fees are available through the Office of Admission or Financial Services. More detailed costs for students are outlined in the DPD Student Handbook and include approximately \$1,000 per year for items such as textbooks, lab fees, photocopying, school and office supplies, lab coat, and professional dues.

The TCU 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, telephone: 312.899.0040, ext. 5400.

*Major Requirements:* NTD 10003, 10103, 20403, 21163, 30101, 30123, 30133, 30144, 30303, 30313, 30331, 30333, 40333, 40343, 40353, 40363, 40403, 40411, 40421, and 40431. *Total NTD credit hours:* 51. *Associated Requirements:* CHEM 10113, 10125, 30123, and 40503; BIOL 20214 and 20233; MATH 10043; ECON 10223; SOCI 20213; PSYC 10213, MANA 30153. No minor is required. All upper-level (30000 and 40000) NTD courses must be taken at TCU.

A *minimum* of 126 semester hours is required for the baccalaureate (BS) degree.

**Nutrition with emphasis on Pre-Professional Health Careers and Post-Graduate Education (Option III)**

With a focus on the scientific basis of human nutrition, the nutrition major provides students with knowledge and skills to work in a myriad of food and nutrition settings focused on attaining and maintaining the health and well being of individuals across the lifespan. In addition to preparing graduates for careers in clinical, management, community or business/entrepreneurial nutrition settings, the nutrition major prepares students for graduate education programs and for careers in research and development, medical/nutritional sales, medicine, dentistry, optometry, pharmacy, physical therapy and other allied health



professions. Students who major in nutrition take courses that include nutrition, food science, food and culture, community nutrition, food systems management, medical nutrition therapy and nutrition research. These courses are based on a solid science and math background, which include general chemistry, organic chemistry, biochemistry, microbiology, physiology, psychology and elementary statistics.

Students are encouraged to consult with their advisers on the specific course requirements for entering post-graduate work in the allied health field. The nutrition major does not meet DPD requirements to earn verification to apply for dietetic internships. Additional coursework is necessary to fulfill DPD requirements.

*Major Requirements:* NTDT 10003, 10103, 20403, 21163, 30123, 30133, 30144, 30303, 30313, 30331, 30333, 40333, 40343, 40353, 40363, 40403, 40411, 40421, and 40431. *Total NTDT credit hours:* 50. *Associated Requirements:* CHEM 10113, 10125, 30123, and 40503; BIOL 20214 and 20233; MATH 10043; ECON 10223; SOCI 20213; PSYC 10213, MANA 30153. No minor is required. All upper-level (30000 and 40000) NTDT courses must be taken at TCU.

A *minimum* of 125 semester hours is required for the baccalaureate (BS) degree.

### Food Management (Option IV)

The food management major is designed for students who elect to emphasize practical experience in the food industry and/or the management of food service systems. During the junior and senior years, students complete four semesters (16 credit hours) of required supervised practice that provides hands-on training in various food service applications, such as restaurant operations, catering, industrial food systems, research and development, or sales/marketing. Students have the option to complete an additional six credit hours of supervised practical experience in a culminating internship/special problems course during the senior year. A minor is required of all food management majors; the business minor is recommended. A minimum 2.7 GPA is required to graduate with a major in food management.

*Major Requirements:* NTDT 10003, 10103, 20403, 21163, 30103, 30123, 30133, 30144, 30303, 30313, 40353, 40403, 40411, 40421, 40431, 40970 (16-22 hrs). *Total NTDT credit hours:* 56-62. *Other Required Courses:* BIOL 20233, MATH 10043, ACCT 20153, FINA 30153, MANA 30153, MARK 30153.

*Minor Requirements:* General business; public relations/advertising; film, television, and digital media or other approved minor.

A *minimum* of 125 semester hours is required for the baccalaureate (BS) degree.

### Nutrition Minor

To earn a minor in nutrition, students must complete 19 semester hours in nutrition. Required courses include NTDT 10003 or 10103, 20403, 30113 or 30123, 30331 and 30333. The final two courses (six hours) may be selected from NTDT 30133, 40333, 40343, 40403 or 40363. All courses for the minor must be successfully completed with a grade of "C" or better.

### Nutritional Sciences 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.

### Nutritional Sciences Courses

#### 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 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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 30101 - Career and Professional Issues in Nutrition

Prerequisites: Nutrition major. An introduction to career and professional options in Nutrition, American Dietetic Association organization and structure, dietetic registration, and dietetic internship application process.

#### 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 30113 - Infant and Child Nutrition

Emphasizes the significance and role of nutrition during pregnancy, lactation, and childhood. Nutritional needs and assessment of mother, infant and children under normal and special circumstances will be discussed.

**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 30306 - Supervised Practice in General Dietetics**

Two lecture hours and 14 to 16 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 30317 - Supervised Practice in Food Systems Management**

Two lecture hours and 20 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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 10403 and 30123; BIOL 20214; CHEM 30123, 40501, and 45003. 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 20403, 10403, 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 10403, 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 40411 - Supervised Practice in Nutrition Research I**

Prerequisite: NTDT 30303 or concurrent enrollment. Integration of scientific information and nutrition research into practice. Completion of research training and evidence-based practice tutorials. Completion of research design, including purpose and primary research objectives, null hypothesis, literature review, and research methods/procedures.

**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 40421 - Supervised Practice in Nutrition Research II**

Prerequisite: NTDT 40411, or concurrent enrollment. Integration of scientific information and nutrition research into practice. Completion of a Protocol Review Request for Research. Completion of a nutrition research project using appropriate research methods, ethical procedures, and statistical analysis.

**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 - Supervised Practice in Nutrition Research III**

Prerequisites: NTDT 40421, or concurrent enrollment. Integration of scientific information and nutrition research into practice. Compilation of nutrition research into visual materials appropriate for presentation at local, state, and/or national professional meetings. Students will present research poster at the annual TCU College of Science and Engineering Student Research Symposium (SRS) during Honor's Week.

**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

Physics and astronomy are available as a major or minor on both the BA and BS degrees.

**Honors Program**

Physics and astronomy majors who plan to pursue Departmental Honors must be enrolled in the University Honors Program. Students should take PHYS 30003 during their junior year and PHYS 40003 during their senior year.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

### Physics and Astronomy Major Requirements

**BS with a Major in Physics**

The BS with a major in physics requires 36 hours of physics, including PHYS 20474, 20484, 30493, 30491 and 24 hours selected from PHYS 30014, 30553, 30603, 30703, 30803, 40113, 40653, 40663, 50703, 50713, 50723, 50733, 50743, and either PHYS 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 BS with a major in physics.

**BS with a Major in Astronomy and Physics**

The BS with a major in astronomy and physics requires 36 semester hours of physics and astronomy, including PHYS 10154, 10164 (or 20474, 20484), 30493, 20073, 20083, 30113, 30111 and 50743, also 12 hours selected from PHYS 30013, 30553, 30603, 30703, 30803, 40113, 40653, 40663, 50703, 50713, 50723, 50733, and either PHYS 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 and 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 1) CHEM 10113, 10125 (10123/10122 or 10123/20123 or 10114 and 10124), or 2) CHEM 10113, GEOL 10113 and 30213. Study of a modern language is recommended.

A total of 132 hours is required for a BS with a major in astronomy and physics.

**BA with a Major in Physics**

The BA with a major in physics requires 26 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.

A total of 124 hours is required for the BA with a major in physics. Students planning graduate study in physics should seek the BS degree.

**BA in Physics with Secondary Concentration in the Bio-Medical Field**

Twenty-four hours of physics are required, including 12 hours of PHYS 20474, 20484 (or 10154, 10164), 30491 and 30493, also 12 hours selected from PHYS 30113, 30111, 30553, 30603, 30703, 30803, 40113, 40653, 40663, 50703, 50713, 50723, 50733, 50743, and either 40103 or 40003. (It is recommended that nine or more hours be selected from PHYS 30553, 30603, 30803, 40113, 40653 and 40663). Associated requirements are 12 hours of MATH 10524, 20524 and one upper-division class, plus CHEM 10113, 10125 (or 10123/10122, 10123/20123) 30123, 30132, 30133; BIOL 10504, 10514 (an additional six hours selected from BIOL 30404, 30603, 40123 and 40223 are recommended). The total requirement for the BA degree in physics with secondary concentration in the bio-medical field is 124.

**BS in Physics with a Secondary Concentration in Another Field**

The BS in physics with a secondary concentration in another field requires 30 hours of physics, including 11 hours of PHYS 20474, 20484 (or 10154, 10164) and 30493, also 19 hours selected from PHYS 30013, 30113, 30111, 30491, 30553, 30603, 30703, 40113, 40653, 40663, 50703, 50713, 50723, 50733, 50743, and either PHYS 40103 or 40003. (It is recommended that nine or more hours be selected from 30553, 30603, 40113 and 40653). Associated requirements are 16 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.

A total of 132 hours is required for the BS in physics with a secondary concentration.

The approved concentrations with respective additional requirements are:

*BS 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 GEOL 30113, 30323, 50712, 50721 or 50783.

*BS 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.

*BS 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.

**Astronomy Minor**

The astronomy minor requires 20 hours of physics, including PHYS 10154, 10164 (or PHYS 20474, 20484), astronomy 20073, 20083, and six hours of upper-division courses (30000 or above), including PHYS 30113, and 30111.

**Physics Minor**

The physics minor requires 18 hours of physics, including PHYS 10154, 10164, (or PHYS 20474, 20484), and six hours of upper-division courses (30000 or above).

**Physics and Astronomy Honor 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.

**Physics Courses****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 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 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 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 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 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 20990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 30803 - Scientific Imaging**

Prerequisites: PHYS 30493, and MATH 20524. The course is built around the concept of image formation for scientific and medical applications. This course would cover the fundamentals of optic, x-ray and MRI, image creation, detectors, basics of image processing, quantitative analysis and a variety of applications in physics, medicine, astronomy and geology.

**PHYS 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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

TCU offers a curriculum preparing students for programs leading to doctoral degrees in the following health professions: Allopathic Medicine (MD), Dentistry (DDS), Optometry (OD), Osteopathic Medicine (DO), Pharmacy (PharmD), Physician's Assistant (PA), Podiatric Medicine (DPM), and Veterinary Medicine (DVM).

The 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 Giri Akkaraju, biology; Gary Boehm, psychology; Amanda Hale, biology; Doug Ingram, physics; David Minter, chemistry; Mike Misamore, biology; Pam Stuntz, psychology; 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; provide counseling regarding the health professions; and 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 BA or BS 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 & Engineering.

**Required and Suggested Courses**

Although each professional program has its own list of required and suggested courses, those shown below 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 ensure that new or unusual requirements can be met before graduation.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

**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 four-year students or in the sophomore year for three-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).

**Pre-Health Professions General Requirements**

Biology: BIOL 10504, 10514  
 Chemistry: CHEM 10113, 10125 or 10123 and 20123, 30123, 30122, 30133  
 Natural Sciences: BIOL 30303, 30404, 30603, 40123, 40133, 40203, 40223, 40403, 40503; CHEM 40123, 50133, 50143;  
 Math: MATH 10043 or 10524;  
 Physics: PHYS 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 20863, SOWO 30853.  
 Natural Sciences: BIOL 30303, 30404, 30603, 40123, 40133, 40203, 40223, 40403; CHEM 40123, 50133, 50143; MATH 10043; COSC 10403, PSYC 10213, 30463.  
 Other: NTD 20403, COMM 10123, 30153; KINE 10603, 30623, 30633; HLTH 40203; COSD 10303, 10343, 30303; NURS 40053.

**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, 40403; MATH 10524; PSYC 10213, 30503; CHEM 40503 or 50133  
 Suggested: None

**Additional Pre-Pharmacy Courses**

Required: BIOL 30303, 30404; MATH 10524 and 10043.

**Additional Pre-Podiatric Courses**

Required: Same as pre-med.

**Additional Pre-Veterinary Courses**

Required: BIOL 30303, 30603, 40123, 40253, 50133, 50143; MATH 10524; ENGL one literature course plus 30223 (or COMM 20103); RAMA 30703.  
 Suggested: MATH 10043

**Pre-Health Professions Combination BS Degree**

An exceptionally 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 BS Combination Degree Program for these students. The student must complete a minimum of 94 semester hours, including the prescribed courses, the TCU Core Curriculum and aptitude tests listed above. The last 45 hours of the 94 must be taken at TCU. The BS combination degree is awarded after successful completion of the first year of professional school. 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 BS Degree Program**

<i>Freshman Year</i>	<i>Semester Hours</i>
BIOL 10504, 10514	8
CHEM 10113, 10125 or 10113, 10123 and 20123	8-9
Writing Workshop, other TCU CC	14-17
<i>Total</i>	<i>30-33</i>
<i>Sophomore Year</i>	
BIOL 30603	3
CHEM 30123, 30122, 30133, 30132	10
PHYS 10154, 10164	8
TCU CC	12

<i>Total</i>	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
<i>Total</i>	<i>28-33</i>

**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).

**Pre-Health Professions Scholarships**

The M.D. Anderson Foundation of Houston sponsors several scholarships for pre-health professions 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 Office of Scholarships and Financial Aid.

**Psychology**

Psychology is available as a major and minor on both the BA and BS degrees.

Although the programs may be used to achieve a variety of objectives, they are designed to:

- Provide majors with a strong background for graduate or professional training in psychology or related fields;
- Educate intelligent consumers who can seek, evaluate and apply selected psychological services effectively; and
- 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 chair of the department.

**Honors Program**

A student wishing to complete Departmental Honors in psychology must be enrolled in the University Honors Program and complete PSYC 30003 and 40003. It is recommended that students enroll in PSYC 40003 for the fall semester of the senior year.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

**Psychology Major Requirements**

**BS with a Major in Psychology**

The BS with a major in psychology is recommended for students planning graduate work in psychology or a related field or who anticipate a career in a psychology-related field. The program of study requires a minimum of 42 hours, including either PSYC 10213, 10514 or 10524, plus PSYC 30503 and 40993. At least one course must be taken from each of the following five areas, plus at least one additional course from areas A, B, C or D. A minor or second major is required for the BS degree in psychology.

- Area A: PSYC 30463, 30483, 50513
- Area B: PSYC 30433\*, 30473\*, 30414\*
- Area C: PSYC 30453\*, 30423\*, 40433\*
- Area D: PSYC 30443, 40493\*, 30353 or 30343\*
- Area E: PSYC 30363, 30373, 40463

\*Courses that require MATH 10043 and PSYC 30503 as prerequisites.

A maximum of six hours of PSYC 40960 and/or 40970 may be applied to the 42 minimum required hours in psychology, but additional hours may be taken as psychology electives.

A total of 124 hours is required for the BS degree.

### BA with a Major in Psychology

This BA with a major in psychology 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 BS program. The program of study requires a minimum of 30 hours, including either PSYC 10213, 10514 or 10524, plus PSYC 30503 and 40993. At least one course must be taken from each of the five areas listed in under the BS degree requirements. A maximum of six hours of PSYC 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 BA in psychology. *Associated Requirements:* Same as for the BS degree.

A total of 124 hours is required for the BA degree.

### Psychology Minor

A minor in psychology requires 18 hours in psychology, including either PSYC 10213, 10514 or 10524. A maximum of three hours of PSYC 40960 and/or 40970 may be applied to the minor in psychology. Students cannot pursue both a minor in psychology and a minor in the psychology of leadership.

### Psychology of Leadership Minor

The minor in psychology of leadership provides students with knowledge and experiences relevant to the scientific study of leadership and its application. A minimum of 21 credit hours is required.

#### *Introductory Psychology: 3 hours*

Psyc 10213	General Psychology
Psyc 10514	Principles of Behavior
Psyc 10524	Principles of Behavior

#### *Psychology of Leadership: 6 hours*

Psyc 20333	Basic Leadership Theory and Skills (Sophomore standing required for this course)
Psyc 40233	Advanced Leadership Theory and Skills

#### *Foundations in Psychology: 3 hours*

Psyc 30353	Social Psychology
Psyc 30433	Experimental Psychology: Motivation
Psyc 30443	Psychology of Personality

#### *Electives in the Psychology of Leadership: 9 hours*

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.

### Psychology Specialization Secondary Certification

The program of study requires PSYC 10213, 10514 or 10524, plus 30503. Students must also select enough from the courses listed in Areas A-E under the BS degree requirements to make a total of at least 24 semester hours.

### Psychology Outreach Program

The Psychology Outreach Program is designed to afford qualified students the opportunity to participate in psychology-related internships in local community settings.

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 the department's belief that these students can make more informed decisions about their careers if they have experienced these professional activities firsthand.

A second goal of the outreach program is to help students build their resumes through professionally related internship experiences. In this way, they cannot only include the fieldwork experience on their resumes, but they also have the opportunity to earn letters of recommendation from off-campus professionals.

The Department of Psychology's fieldwork 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.

### Psi Chi

The department sponsors the TCU Chapter of Psi Chi, the national honor society for psychology.

### Psychology Courses

#### 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 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 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 20990 - International Residential Study

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

#### 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 - Introductory Neuroscience**

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 30990 - International Residential Study**

This course represents credit earned through a semester study abroad experience with an institution or program with which Texas Christian University has an official agreement to accept credit. The site and specific content will be identified on the official transcript. Courses appearing on a student's official transcript have been included in the student's grade point average.

**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 40260. 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 or 30503 or 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 one's 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 Neuroscience**

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 50433 - Vulnerable Child I: Theory**

The Vulnerable Child is a two-part series of multidisciplinary courses which investigate the challenges faced by families and professionals who work with children who have emotional, behavioral, and/or physiological challenges. The Vulnerable Child I: Theory will focus on the theory and research which is the basis of these challenges. If our Hope Connection summer camp for adopted children is taking place, both Vulnerable Child courses are required before students can work in it.

**PSYC 50443 - Vulnerable Child II: Practice**

Prerequisites: PSYC/CHDV 50433. The Vulnerable Child is a two-part series of multidisciplinary courses which investigate the challenges faced by families and professionals who work with children who have emotional, behavioral, and/or physiological challenges. The Vulnerable Child II: Practice will focus on the training students need to evaluate and apply intervention strategies for these families and children based on the theory and research learned in the first course. Both Vulnerable Child I

& II are required for students wishing to apply for Independent Studies' hours to work in The Hope connection summer camp for at-risk adopted children.

**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 - Functional Neuroanatomy**

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 50533 - Case Studies in Child Development**

This course is designed to present an integrated and comprehensive overview of numerous issues in child development as well as treatments/solutions for those issues. This diverse array of developmental problems will be presented in a series of case-studies by professors from several departments as well as by community professionals who specialize in children's issues. This course is a requirement for the Child Development Minor as well as an elective course in Psychology.

**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

Ranch management is available as a major on the Bachelor of Science degree, as a minor on the Bachelor of Arts and Bachelor of Science degrees, and as a certificate program. Since 1956, students from 41 states and 22 nations have studied ranching at TCU through the certificate program.

## Program Admission

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 students to obtain more value out of the course of study. Enrollment is limited. Selection to the program 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 to request an interview, call 817.257.7145 or write to:

Director, Ranch Management Program  
Texas Christian University  
TCU Box 297420  
Fort Worth, TX 76129

## 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 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.

## Pass/No-Credit Policy

Courses for the major (including associated requirements) and the minor may not be taken on a Pass/No-Credit basis.

## Pre-Ranch Management Declaration

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. All pre-ranch management students must:

- Complete the TCU Core Curriculum, including natural sciences (9 hours): BIOL 10003, BIOL 10504, GEOL 10113 and ENSC 10143 and social sciences (9 hours) ECON 10223 and 10233. Substitutions require the dean's approval.
- Maintain a TCU cumulative GPA of at least 2.50
- Contact the Ranch Management Program for admission policies, procedures and deadlines.
- Be formally admitted to the Ranch Management Program with a conditional acceptance.

## Ranch Management Certificate

Requirements for the Certificate in Ranch Management are RAMA 30102, 30213, 30403, 30703, 40103, 40112, 40303, 40313, 40503, 40603, 40803 and 40903.

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. Fieldwork 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 fieldwork. Generally, class hours are 9 a.m. -noon and 1-4 p.m., five days a week, although class hours may vary somewhat when fieldwork requires additional time for travel. Basic vocational skills are taught that require physical mobility and manual dexterity. Fieldwork includes five weeklong 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.

## Bachelor of Science with Business Minor

The College of Science & 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.

## Ranch Management BS Requirements

The program of study requires a minimum of 40 semester hours as follows: RAMA 30102, 30213, 30403, 30703, 40103, 40112, 40303, 40313, 40503, 40603, 40803 and 40903.

*Associated Requirements:* Math: 3 hours (MATH 10283, 10524 or 10043); Sciences: 3 hours (BIOL 30403, 30504, 30613, GEOL 40393 or 30113. Substitutions require the dean's approval.

## General Business Minor for Non-Business Majors

Students declaring the general business minor as of summer 2008 should refer to the General Business Minor section of this catalog for specific requirements. These courses must be taken at TCU.

### Required Courses: 18 hours

ACCT 20653	Introduction to Accounting
MARK 30653	Principles of Marketing
MANA 30653	Survey of Management
FINA 30653	Financial Planning
MANA 40653	Survey of Entrepreneurship
MARK 40653	Principles of Marketing Communications

For more information, contact the Neely Student Resource Center (DRH 130) at 817.257.6772. Students declaring the general business minor prior to summer 2008 should contact the Neely Student Resource Center for courses and requirements.

## Ranch Management Minor

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. Students interested in pursuing a ranch management minor should contact the Ranch Management office at 817-257-7145 for information on the application process prior to their junior year.

The ranch management minor requires 34 hours of coursework which consists of RAMA 30102, 30213, 30403, 30703, 40103, 40112, 40303, 40313, 40503, 40603, 40803 and 40903.

## Ranch Management 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 materials 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 evenings from 7 to 10 p.m.

Evening division courses are RAMA 30413, 30713, 40113, 40323, 40513, 40613 and 40813.

Admission is through the TCU Office of Extended Education. For an application and other admission information, call 817.257.7130.

Admitted TCU students may take the evening division courses as electives.

## Ranch Management Courses

### **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, sources of credit for ranch operations; business law as applied to the livestock producer, business organization, estate planning, labor relations, application of management principles to ranching.

### **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**

# Roach Honors College

## Honors and Recognitions

Texas Christian University honors high academic achievement. The most significant recognitions are conferred at graduation, 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 GPA (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; "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/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 3.6 GPA, sophomores at least 3.7, juniors at least 3.8 and seniors at least 3.8. In that semester, they must have earned credit for at least 12 hours; "I" and "P" grades are not counted.

### Graduation Honors

Students with a GPA 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 honor 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. The following are best-known at TCU and throughout the nation.

#### Phi Beta Kappa

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

#### Sigma Xi

Sigma Xi is the Scientific Research Society of North America. It 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

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

## The Honors Program Description

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/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.

## Honors Program 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.

### 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 are also 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. Approvals of such requests are at the discretion of the director of the Honors Program, and no more than nine hours may be applied.

### Current TCU Students

Current students of freshmen classification who complete 15 credit hours and achieve a 3.5 or higher GPA at the end of their fall semester are eligible and encouraged to apply for admission into the program. After admittance, all members of the TCU Honors Program must remain in good academic standing and fulfill requisite Honors curriculum requirements as detailed below.

## 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 take two related courses (six hours) selected from the several pairs offered in which various elements of a particular culture or civilization is 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 three-semester, interdisciplinary Honors intellectual traditions track 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 the student's 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 together with two additional faculty members from the student's project committee. These three faculty members work closely with the student and during the spring semester to 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, 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:

- Proficiency in a foreign language at the sophomore level; and
- 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.

**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 graduation ceremonies, and his/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 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 having completed the stated criteria for Departmental and/or University Honors.

To see which courses are being taught this semester visit Class Search on [wwwb.is.tcu.edu/classsearch/](http://wwwb.is.tcu.edu/classsearch/)

**Honors Colloquia Courses****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.

# History of TCU

## Milestones in TCU History

- 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; Colonel J.Z. Miller, president of the board (until 1899).
- 1899**  
T.E. Shirley, president of the 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 the 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 50th anniversary; \$500,000 endowment achieved; the Mary Coutts Burnett Trust received.
- 1925**  
Mary Coutts Burnett Library opened.
- 1926**  
Graduate school organized, first field house built.
- 1927**  
Van Zandt Jarvis, president of the 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 the board (until 1941).
- 1941**  
M.E. Sadler, president (until 1959, when he became chancellor until 1965); L.D. Anderson, president of the 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 75th anniversary of the University; \$5 million endowment achieved; stadium enlarged to 33,500 capacity.
- 1949**  
Ed Landreth Hall and Auditorium (College of 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 field house 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 the board (until 1969); estate of Milton E. Daniel left in trust to University; Mary Coutts Burnett Library enlarged; Sherley Dormitory completed, new Clark Dormitory built on site of Goode Hall; Bailey Building (old Brite Hall) renovated for College 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 more than \$27 million reached; M.E. Sadler retired as chancellor (July 1); James M. Moudy elected chancellor and inaugurated November 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 Association 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**

M.J. Neeley chairman of the 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 refurbished.

**1972**

Administration reorganized into two major areas: academic and support, each headed by a vice chancellor; Theodore P. Beasley elected chairman of the board; Waits and Milton Daniel halls renovated and refurbished.

**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 the Department of Art.

**1974**

William C. Conner elected chairman of the 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 reorganized by school/college, replacing Graduate School; Bayard Friedman elected chairman of the board; Martin-Moore Hall named; James M. Moudy retired as chancellor, succeeded on September 5 by 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 1 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 gained national attention and played 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 the 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 approves 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 the 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 10 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 Liberal Arts, M.J. Neeley School of Business, the College of Communication, the College of Education, the College of Fine Arts, the College of Health & Human Sciences, and the College of Science & 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; Runningback LaDainian Tomlinson becomes the third Horned Frog to run for the Heisman Trophy, placing fourth in the nation in the final vote and earning the Doak Walker Award; the 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-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 to their fourth consecutive post-season appearance—The galleryfurniture.com Bowl; Harris College of Nursing launches an online master's degree to allow RNs with a Bachelor of Science degree to complete their master's degree 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 College 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 & Human Sciences; the football team wins its fifth consecutive bowl game, beating Colorado State 17-3 in the Liberty Bowl in Memphis, 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 to date 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 eighth 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 College of Education; Veterans Plaza memorial to alumni and students erected; M.J. Neely School of Business ranked 18th in the nation by the *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 the Chicago White Sox in the first round.

**2006**

Commencement moved back to campus after four years, and split into two ceremonies to handle the crowds; TCU Bookstore on Berry Street moved into temporary trailers while the store's building underwent a second-floor expansion, but the building subsequently burned to the ground during the night; Frog Fountain is dismantled for renovation as construction on the newly announced Campus Commons gets underway; ground is broken in April for the new J.E. and L.E. Mabee Foundation Education Complex that will include the renovation of the historic Bailey Building and addition of the Steve and Betsy Palko Building; GrandMarc at Westberry Place, a public/private partnership, opened its doors as student housing on campus; TCU announced plans for an indoor sports practice facility and a new bookstore; TCU became the first school in Texas to adopt an all-paperless application process.

**2007**

A policy change required all sophomores and freshmen to live on campus beginning in the fall, when two of the four dorms in the Campus Commons opened; the Sam Baugh Indoor Practice Facility and Cox Field opened in May; the Mabee Education Complex for the newly named College of Education opened in July. Trustees approve a \$315 million budget for 2007-08, which included \$6.4 million in additional financial aid. A drilling rights agreement is signed with Four Sevens Resources Co., Ltd., signaling intent by the University to allow gas drilling in the Barnett Shale on campus. The largest incoming class, 1,660 students, with the highest SAT average scores (1759) to date, arrived in the fall. A refurbished Frog Fountain was installed in December. Jarvis Dormitory and Clark Hall closed for renovations in December. When Jarvis reopens in 2008 as Jarvis Hall, it will house only offices.

**2008**

A 34,000-square-foot TCU Barnes & Noble bookstore opened at the corner of University Drive and Berry Street in January. Students moved into the Teresa and Luther King and Mary and Robert J. Wright residences halls on the Campus Commons. The public phase of the Campaign for TCU kicked off in April. The Brown-Lupton Student Center was razed in July and construction began on the Clarence and Kerry Scharbauer Hall for the Honors College and AddRan College of Humanities & Social Sciences. The Brown-Lupton University Union opened. Clark and Jarvis Halls reopened, though Jarvis is now office space. Sherley Hall was closed for renovation. The incoming Class of 2010 boasted the highest average SAT score (1754) in school history. An addition to Moudy South, which will house a convergence lab for the Schieffer School of Journalism, was announced in late fall.

# Material Resources

Through the generous gifts and bequests of friends over the years, the University has accumulated endowment funds with a market value of more than \$1 billion.

A significant portion of this is the result of a magnificent gift by 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 in 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 professorship is held by Dennis Cheek.

**The William L. and Betty F. Adams Chair of Education** was established in the College of Education by an endowment from Mr. and Mrs. William L. Adams. The chair is held by Molly Weinburgh.

**The Charles F. and Alann P. Bedford Professorship in 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 1975-88. This position aids the M.J. Neeley School of Business in emphasizing the increasingly global nature of business. The professorship is held by 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 professorship is held by Jason Faubion.

**The Stan Block Chair of 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 chair is held by David M. Gunn.

**The I. Wylie and Elizabeth M. Briscoe Professorship** was established in Brite Divinity School in honor of the Briscoes. The professorship in Hebrew bible is held by 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 Professorship in Communication Studies** was established by Mr. and Mrs. Philip J. Burguieres of Houston, Texas.

**The Burnett Ranches Endowed Professorship in Ranch Management** was established in 1990 by the Anne Burnett and Charles Tandy Foundation. The professorship is held by Kerry L. Cornelius.

**The Charles Fischer Catholic Professorship in 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 Department of Chemistry and Ronald B. Flowers of the Department of Religion.

**Cecil H. and Ida Green Honors Chair** was established by Drs. Cecil H. and Ida Green of Dallas, to bring to campus many nationally known visiting scholars, scientists, writers and other career persons on a rotating appointment program.

**The Luther Henderson Chair of Leadership** was established in the M.J. Neeley School of Business by an estate gift from Mr. Luther A. Henderson. The chair is held by Christine M. Riordan.

**The Harold D. and Imogene Herndon Professorship in Geology** was contributed by Dr. and Mrs. Herndon in 1978. The professorship is held by Richard E. Hanson.

**The Harold D. and Imogene Herndon Professorship in Music** was 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 in Ranch Management** was established in the TCU Ranch Management Program by the Houston Livestock Show and Rodeo Educational Fund. The professorship is held by Eric Brast.

**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 in 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 professorship is held by Linda K. Hughes.

**The Robert and Maria Lowdon Chair of Finance** 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 of 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 in 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 1956-77. The professorship is held by Tim Hessel-Robinson.

**The Ross Matthews Professorship in Petroleum Engineering** was established in 2007 through a generous gift from Ross B. Matthews '84 and his wife, Kathleen. The professorship is held by John R. Fanchi.

**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 chair is held by 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 in 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/U.S. relations. The chair is held by Susan E. Ramirez.

**The John William and Helen Stubbs Potter Professorship in Mathematics** was established by a gift from Deedie Potter Rose and Rusty Rose in honor of Mrs. Rose's parents. The professorship is held by 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 chair is held by Richard L. Enos.

**The W.F. "Tex" and Pauline Curry Rankin Professorship in Nursing** was established at Harris College of Nursing and Health Sciences by W.F. "Tex" and Pauline Curry Rankin. The professorship is held by Rhonda Keen.

**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 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. The chair is held by Homer Erekson.

**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 supports a chairholder who serves as a faculty member in Brite Divinity School and direct teaching and research in Jewish studies for Brite and TCU. The chair is held by W. David Nelson.

**The Saul B. Sells Chair of Psychology** was established by a bequest of the late Dr. Sells, who founded TCU's Institute of Behavioral Research in 1962. The chair is held by D. Dwayne Simpson.

**The Lorraine Sherley Professorship in Literature** was created through a bequest by Dr. Lorraine Sherley, a former professor in TCU's English Department. The professorship was established in 1984. The professorship is held by Sarah Ruffing Robbins.

**The Southwestern Exposition and Livestock Show Professorship in Ranch Management** was established in 1998 by the Southwestern Exposition and Livestock Show. The professorship is held by Chris Farley.

**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 in Religion** was established in 1959 through an endowment gift by the A.D. Weatherly family. The position is currently held by Claudia Camp.

**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 chairholder 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 Mark Houston.

**The Eunice and James L. West Chair of Information Systems and Supply Chain Management** in the Neeley School of Business is held by Nada Sanders.

**The C.R. Williams Professorship in 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 professorship is held by Larry J. Lockwood.

**The J. Vaughn and Evelyne H. Wilson Professorship in Accounting** was established in 2006 through a bequest of Mr. James V. "Tony" Wilson Jr. '63. Mr. Wilson named the professorship in honor of his parents. The professorship is held by In-Mu Haw.

**The J. Vaughn and Evelyne H. Wilson Professorship in Marketing** was established in 2006 through a bequest of Mr. James V. "Tony" Wilson Jr.

'63. Mr. Wilson named the professorship in honor of his parents. The professorship is held by William Cron.

**The J. Vaughn and Evelyne H. Wilson Chair of Marketing** was established in 2006 through a bequest of Mr. James V. "Tony" Wilson Jr. '63. Mr. Wilson named the chair in honor of his parents. The chair is held by Robert Leone.

**The Betty S. Wright Chair of Applied Ethics** was created from the estate of Betty S. and Hal James Wright '32. The chair is held by Richard Galvin.

**The Hal Wright Chair of Latin American Economics** was created from the estate of Betty S. and Hal James Wright '32. The chair is held by W. Charles Sawyer.

## 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 College 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 College 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 Department of Physics 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 Ruth Evelyn Sanders Memorial Lectureship** was established in 1994 through a bequest gift by Dr. Ruth Evelyn Sanders '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, provides 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. The fund helps 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 Catherin R. Alexander Endowment for Ballet Choreographer-in-Residence** was established in 2003 within the College of Fine Arts from contributions by the Robert D. and Catherine R. Alexander Foundation.

**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 Andrews Institute of Math, Science and Technology Education Endowment** was established in 2007 within the College of Education through a gift from Paul and Judy Andrews.

**The Theodore Beasley Faculty Fellowships** in the Neeley School of Business were established by The Theodore and Beulah Beasley Foundation, Inc., to honor the memory of Theodore Beasley.

**The Robert and Jerita Buschman Fund for Theatre** was established by Mr. Robert Buschman and Ms. Jerita Foley Buschman to provide budget support for the Department of Theatre and especially for theatre production activities.

**The John Butler Fund** was endowed in 2004 through the gifts of numerous donors. The fund provides support for student interns in the University Ministries Program.

**The Electra Carlin Art Department Endowment** was established in 2001 by a bequest from Mrs. Carlin's estate. The fund underwrites exhibitions of Texas artists.

**The Center for Civic Literacy Endowment** was created in 2006 through gifts from Teri Baker O'Glee '78 and the Brown Foundation. The endowment benefits activities of TCU's Center for Civic Literacy.

**The Louise and Frieda Cristol Endowment for Academic Programming in Jewish Studies** was established by Bernice Cristol Selman '37 in 2001.

**The Lou Hill and Ralph Davison Endowment for the Institute of Child Development** was established in 2006 within the College of Science & Engineering by Lou Hill '64 and Ralph Davison to aid the institute in its areas of research training and service.

**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 Duncan Faculty Fellowship** in the M.J. Neeley School of business was established in 2006 through a bequest from the estate of Robert Roy Cuncan '40 and Margaret F. Duncan '41.

**The Vera Turbeville Edelbrock Art Endowment** was created in 2000 through a bequest from Mrs. Edelbrock's estate.

**The Endowed Student Fund for International Business Programs** was established in 2008 within the M.J. Neeley School of Business to support students participating in its international initiatives.

**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 Department of Art and Art History.

**The Lucile Maxine Houston Endowed Fund** was established through a bequest from Ms. Houston to benefit the Harris College of Nursing and Human Services.

**The Mary E. Hughes Student Loan Fund** was established through a bequest from Ms. Hughes to fund student loans at TCU.

**The Institute of Ranch Management** 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-Bandsmen's Association in honor of Jim Jacobsen, former TCU band director, and his late wife, Wyn.

**The Kimbell Art Foundation Graduate Art History Fund** is an endowment that was established by the Kimbell Art Foundation in 2001 to fund stipends for art history graduate students.

**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 College of Education.

**The William Watt Matthews Director of Institute of Ranch Management** is an endowed faculty position created in 1996 and is the result of generous collaborative gifts from multiple donors. The directorship is held by Jeff Geider.

**The Laurana Rice Mitchelmore Masters Series Fund** was established in 2007 in honor of Laurana Rice Mitchelmore '61. Income from this endowment enables the College of Fine Arts to welcome noted vocalists and accompanists for appearances on campus.

**The W.A. "Tex" Moncrief, Jr. Athletic Endowment** was established in 1984 by Mr. Moncrief to benefit TCU's football and golf programs.

**The Ronald E. Moore Humanities Symposium** is funded by an endowment that was established in 2007 by Ronald E. Moore '65. The symposium series is directed within the AddRan College of Liberal Arts and features an array of humanities-related discussions.

**The Alma and Robert D. Moreton Award for Research in Nursing** was established in 2000 by Mrs. Alma Moreton '44 in honor of her husband, Dr. Robert D. Moreton.

**The Ann L. Rhodes Artist-in-Residence Endowment Fund** was established in 1997 by Ann L. Rhodes of Fort Worth for an artist-in-residence in the Department of Theatre.

**The John V. Roach Honors College Endowment** was established in honor of John V. Roach '61 in 2007 by Paul and Judy Andrews. The endowment funds development of the Honors College at TCU.

**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 Mary Jane and Robert Sunkel Art History Endowment** was established in 2001 through the benevolent support of Mary Jane '55 and Robert Sunkel '54. The fund's income supports graduate student research in art history.

**The Thistlethwaite Family Memorial Travel Grant** was established in 2005 by Dr. Mark Thistlethwaite and his family in memory of Aline and Lote Thistlethwaite. The fund enables undergraduate studio art majors to travel for educational purposes to museums, galleries and special exhibitions.

**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 Office of Scholarships and Financial Aid 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

Michael T. Ashworth Athletic Scholarship

Jim F. Atchison Church Vocation Scholarship

Russell Alan Aycock Memorial Scholarship

Dr. Noel R. and Elaine D. Bailey Scholarship

- Dr. Noel R. and Elaine D. Bailey Scholarship at Starpoint  
 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  
 Andrew Bankston 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  
 Black Alumni Alliance Scholarship  
 Mr. and Mrs. William M. Blanks Memorial Scholarship  
 Beatrice Bolen Piano Scholarship  
 R. E. "Bob" Bolen Scholarship  
 Bonds Ranch Scholarship for Ranch Management  
 Keith D. Brooke Scholarship  
 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. Solomon 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  
 Burnett Ranches Scholarship in Ranch Management  
 Cagle Scholarship Fund  
 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  
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 Mark Cohen, B.A.—Director of Media Relations  
 Andy Anderson, B.A.—Assistant Media Relations Director  
 Matt Hoover, B.S., M.S. —Assistant Media Relations Director  
 Brandie Davidson, B.S., M.L.A.—Media Relations Assistant  
 Joe Monaco, B.S., M.S.—Associate Media Relations Director  
 Jason Byrn, B.S., M.S. —Director of Marketing for Athletics  
 Brad Wilson, B.A. —Assistant Director of Marketing  
 Zack Kulesz, B.A. —Assistant Director of Marketing  
 John Festevand, B.S., M.S.— Assistant Director of Marketing  
 Tommy C. Love, B.A.—Athletics Business Manager  
 Chris Uchacz, B.A., M.A., PhD.—Director of Athletic Academic Support  
 Shawn Worthen, B.B.A., M.Ed.—Assistant Director of Athletic Academic Support  
 Judy Golden, B.S., M.L.A.—Athletic Academic Adviser  
 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  
 David Gable, B.S., M.S.—Associate Director of Sports Medicine  
 Valerie Tinklepaugh, B.S., M.S.—Assistant Athletics Trainer  
 Junko Yazawa, B.S., M.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  
 Mitch Walter, B.S., M.S.—Assistant Ticket Manager  
 Don Sommer, B.S., M.S., M.S.C.C.—Director of Strength and Conditioning  
 Matt Parker, B.S.—Strength and Conditioning Coach  
 Zachariah Dechant, B.S.—Assistant Strength and Conditioning Coach  
 Todd Kensler, B.S.—Assistant Strength and Conditioning Coach  
 Stephen Gephardt, B.S., M.Ed.—Assistant Strength and Conditioning Coach  
 Mike Maples, B.A.—Video Coordinator  
 Mark DeBreux, B.A.—Assistant Video Coordinator

**ISP Sports**

Rudy Klancnik, B.S.—General Manager  
 Traci Tighe, B.S.—Account Executive

**Baseball**

Jim Schlossnagle, B.A.—Head Baseball Coach  
 Todd Whitting, B.S.—Assistant Baseball Coach  
 Randy Mazey, B.S., M.B.A.—Assistant Baseball Coach  
 Derek Hassell, B.A., M.L.A.—Director of Baseball Operations

**Basketball (Men's and Women's)**

Jim Christian, B.A.—Head Men's Basketball Coach  
 Anthony Anderson, B.A.—Assistant Men's Basketball Coach  
 Jean Prioleau, B.A.—Assistant Men's Basketball Coach  
 Bill Wuczynski, B.PhEd.—Assistant Men's Basketball Coach  
 Eric Haut, B.A.—Director of Men's Basketball Operations  
 Jeff Mittie, B.A., M.S.—Head Women's Basketball Coach  
 Tricia Davern, B.B.A., M.L.A.—Director of Women's Basketball Operations  
 Brian Ostermann, B.S., M.S. —Associate Head Women's Basketball Coach  
 Tonya Benton, B.S.—Assistant Women's Basketball Coach  
 Sandora Irvin, B.B.A. – Director of Women's Basketball Operations

**Football**

Gary Patterson, B.A., M.A.—Head Football Coach  
 Mike Sinquefield, B.G.S.—Director of Football Operations

Chris Gillert, M.G.S., M.L.A.—Assistant Director of Football Operations  
 Jarrett Anderson, B.A., M.L.A.—Assistant Football Coach  
 Richard Bumpas, B.S.—Assistant Football Coach  
 Chad Glasgow, B.S.—Assistant Football Coach  
 Rusty Burns, B.S., M.Ed.—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  
 Justin Fuente, B.S.—Assistant Football Coach  
 Clay Jennings, B.S.—Assistant Football Coach

#### **Golf (Men's and Women's)**

Bill Montigel, B.A., M.S.—Men's Golf Coach  
 Angie Ravaioli-Larkin, B.A.—Women's Golf Coach

#### **Rifle**

Karen Monez, A.A.—Women's Rifle Coach

#### **Soccer (Women's)**

Dan Abdalla, B.A.—Head Soccer Coach  
 Mark Plakorus, B.S.—Associate Head Soccer Coach  
 Michelle Royal, B.S., M.Ed.—Assistant Soccer Coach

#### **Swimming (Men's and Women's)**

Richard Sybesma, B.S., M.L.A.—Head Swimming Coach  
 Bill Koppelman, B.S., M.S.—Assistant Swimming Coach (Women's)  
 Keegan Walkley, B.S.—Assistant Swimming Coach (Men's and Women's)

#### **Tennis (Men's and Women's)**

Dave Borelli, B.A., J.D.—Head Men's Tennis Coach  
 Jason Marshall, B.B.S.—Assistant Men's Tennis Coach  
 Jeff Hammond, B.A.—Head Women's Tennis Coach  
 Colin Foster, B.S.—Assistant Women's Tennis Coach

#### **Track (Men's and Women's)**

Darryl Anderson, B.S., M.S.—Head Track Coach  
 Ronnie Williams, B.A.—Assistant Track Coach  
 John Kenneson, B.S., M.Ed.—Assistant Track Coach  
 Shawn Winget, B.S., M.S.—Assistant Track Coach  
 Jeff Petersmeyer, B.A., M.Ed.—Assistant Track Coach

#### **Volleyball (Women's)**

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**

Lindsay Shoulders, B.A.—Spirit Coordinator

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 Patti Sellers—Telecommunications Coordinator  
 Glen Bradford—Manager Printing Services  
 Glen Hulme, B.A., M.L.A.—Manager Mailing Services and Post Office  
 Vince Pankey, B.F.A.—Conference Services Manager

#### **Center for Academic Services**

Marsha Ramsey, B.S., M.A.—Director  
 Deidra Turner, B.A., M.Ed., Ph.D.—Associate Director  
 Laurel Overby, M.Ed.—Coordinator, Student Disabilities Services  
 Lindsay Gastorf, B.S., M.Ed.—Academic Adviser  
 Ana Guzman, B.A., M.B.A.—Academic Adviser  
 Donna Schonerstedt, B.A.—Academic Adviser  
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 Ann Loudon, B.A., M.L.A.—Chancellor's Associate for External Relations  
 Sheri Miller, B.S.H.E., M.B.A.—Chancellor's Special Events Coordinator

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 Judith Shannon, B.A.—Coordinator, Special Programs

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 Terry Haney—Executive Assistant

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 Megan Soyer, B.B.A., M.S.A., C.P.A., Budget Manager

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 Danica Knight, Ph.D.—Research Scientist  
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 Grace Rowan-Szal, Ph.D.—Research Scientist  
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 Tracy Hull, B.A., M.A., M.S.L.S.—Associate Dean of the Library  
 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  
 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

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 Richard T. Bryan, B. Arch, M.U.P.—Associate Director, Operations  
 Harold J. Leeman, Jr., P.E., LEED AP, 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  
 Shelton Riley, B.A.F.—Assistant Director, Facility Services  
 Joseph Laster —Director, Facility Services  
 Paul Alan Hood, C.I.E., B.S. Eng. Tech.—Project Engineer  
 David Hoyler, A.I.A., LEED AP, B.S. Arch.—Project Architect  
 Donald W. Bruner, B. Arch.—Project Manager  
 Jesus Rangel, Jr., P.E., B.S., M.B.A.—Project Manager  
 Patrick Mucker, LEED AP, B.S.—Project Manager  
 Lisa Aven, B.S. Interior Design, --Interior Designer  
 Lisa Hall, B.S. Interior Design—Interior Designer  
 Dan Dehart, B.A.A.S.—Purchasing Manager  
 Everlyn M. Williams, B.S., M.S.—Financial Analyst

**Provost's Office**

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 Terri Gartner—Assistant to the Provost and Vice Chancellor  
 Cindy Odiome—Assistant to the Vice Chancellor for Academic Affairs

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 Mary W. Kincannon, B.S. M.L.A.—Associate Registrar  
 Vanessa Lanzarotti, B.G.S., M.B.A.—Associate Registrar  
 Kristi Harrison, B.M., M.L.A.—Manager, Academic Progress Services  
 Tiffany T. Wendt, B.S., M.B.A.—Academic Audit Developer/Analyst

**Sponsored Research**

Janis T. Morey, M.Ed, Ph.D.—Director

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Victoria K. Chen, B.A., M.L.A.—Associate Director  
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 Melet Leafgreen, B.M., M.L.A.—Assistant Director  
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 Kathryn Blackham, B.B.A., M.L.A.—Financial Aid Adviser  
 Trudy Conner, B.B.A.—Financial Aid Adviser  
 Bianca Allen, B.A.—Financial Aid Adviser  
 Debbie Mar—Graduate Adviser

**Student Affairs**

**Brown-Lupton University Union**

Mike Russel, B.S., M.Ed., M.B.A. —Executive Director for Student Affairs Administration  
 Natalie Boone, B.S., M.S.Ed.—Assistant Director of University Union/Programming Council Adviser  
 Kim Appel Turner, B.B.A.—Activities Coordinator  
 Katherine Reed, B.S., M.Ed.—Director of Fraternity & Sorority Affairs  
 Kelsey Lemm, B.A., M.A.—Program Coordinator for Fraternity and Sorority Life  
 Shawn Wagner, B. S., —Coordinator of Events University Union  
 Kent Mire, B.S., M.S., —Coordinator of University Union Night Operations

**Campus Life**

Susan Adams, B.S., M.S.—Associate Vice Chancellor for Student Affairs, Dean of Campus Life  
 Glory Robinson, B.S., M.Ed.—Associate Dean of Campus Life  
 Tracy Tucker, B.S., M.L.A.—Assistant Dean of Campus Life  
 Brook Somerton Scogin, B.F.A, B.S., M.A.,—Assistant Dean of Campus Life  
 Nick Whitesell, B.S., M.Ed.—Assistant Dean of Campus Life  
 Karen Bell, B.S., M.P.H. —Assistant Dean of Campus Life for Health Promotion

**Campus Police**

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 J.C. Williams—Assistant Chief  
 DeAnn Jones—Coordinator of Parking and Traffic Services

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 Susan Nethery, B.A., M.B.A.—Associate Director of Programs and Marketing  
 Vanden Thong, B.S., M.S.—Assistant Director  
 Terrence Hood, B.A., M.S.— Assistant Director of Advising  
 Matthew Riordan, B.A., M.Ed. —Assistant Director of Advising  
 Rachel Thomas, B.S. —Career Adviser  
 Nicole Kinworthy, B.A.—Recruitment Coordinator

**Health Services**

Mary Rae, M.D.—Director

**Health Center**

Mary Rae, M.D., F.A.C.E.P.—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  
 Georgia Payne, R.N. —Head Nurse

**Counseling Center**

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 Daralynn Deardorff, D.O.—Psychiatrist  
 Monica Kintigh, Ph.D.—Licensed Counselor  
 Elizabeth M. Koshy, Ph.D.—Psychologist  
 Eric Wood, Ph.D.—Psychologist

**Inclusiveness and Intercultural Services**

Darron Turner, B.S., M.S.—Assistant Vice Chancellor for Student Affairs and Director of IIS  
 April Brown, B.S., M.Ed. Assistant Director of IIS  
 Tamika Gordon, B.A., M.S., Assistant Director of IIS  
 Cristina Ramos, B.B.A., M.P.A., Program Coordinator for IIS

**International Student Services**

John Singleton, B.A., M.Ed.—Director of International Student Services  
 Liz Branch, B.A., M.L.A.—Assistant Director of ISS  
 Jim English, B.A.—International Student Immigration Coordinator

**Community Involvement and Service Learning**

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 Mary Kathleen Baldwin, B.A., M.S.—Assistant Director

**Residential Services**

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**Student Development Services**

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 Cynthia Walsh, B.A., J.D.—Assistant Dean of Student Development and Director of Center for Ethical Leadership and Responsible Citizenship  
 Carrie Zimmerman, B.A., M.Div.—Assistant Dean of Student Development and Director of Gender Programs/Mentors/Allies  
 Charles Dunning, B.A., M.Ed.—Director, TCU Transitions Program, Senior Year Liaison  
 Robin Williamson, B.S., M.Ed. —Associate Director of TCU Transitions  
 Jared Cobb, B.S.—Assistant Director, TCU Transitions  
 John-Mark Day, B.A., M.S.—Assistant Director, TCU Transitions/Sophomore Year Liaison  
 Forrest Lane, B.S., M.S.—Assistant Director, Leadership Center and Student Organizations  
 Natasha Chapman, B.A., M.Ed, Ph.D.—Associate Director, TCU Leadership Center

Daniel Terry, B.A., M.Div., M.A.—Assistant Director, TCU Leadership Center

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 Jay Iorizzo, B.S., M.S.—Assistant Director, Facility Management  
 Michael Hackemack, B.A.—Assistant Director Intramural Sports  
 Christopher Fiocchi, B.S.—Assistant Director Aquatics

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Kimberly "Sparkle" Greenhaw, B.S., M.Ed.—Director of Alcohol and Drug Education  
 Yvonne Lin Giovannis, B.A., M.Ed.—Assistant Director  
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 Craig Elders —B.B.A.  
 Jeffrey Larremore, B.B.A., M.I.S.—Coordinator of Web Services

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 Adam B. Gamwell, B.A.—Program Coordinator

Jeremy Albers, B.S., M.Div., Associate Chaplain/Disciples Campus Minister

Charles Calabrese, B.A., M.Div., M.S.—Roman Catholic Minister  
 Lindsay D. Churchman, B.M.E., M.Div.—United Methodist Minister  
 Blair Prevost, B.A., M. Div — Baptist Campus Minister  
 Rob Hamby, B.S., M.Div.—Presbyterian Minister for Reformed University Fellowship

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 Neena Kovuru, B.S., M.S.—Applications Developer  
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 Michael Perales, B.B.A.—Applications Developer  
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 Lane Duncan, B.A., M.Div.—Database Administrator  
 Jon Eidson, B.S., M.B.A.—Database Administrator  
 Sean Gillaspy, B.S.—Lab Administrator  
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 Aaron Munoz, B.A., B.S.—Client Server Administrator  
 Mark Sample, A.A.—Computer Hardware Technician  
 Pete Wann—Apple Client/Server Administrator

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 Alan Crume, B.S., D.D.—Customer Service Consultant  
 Rebecca Glass, B.S.—Customer Service Consultant  
 Karen Bowerman, B.S.—Customer Service Consultant  
 Cathleen Dawson-Jackson, A.A.—Customer Service Consultant  
 Dave McCarroll, B.S., M.S.—Customer Service Consultant  
 Coleman Gee—Customer Service Consultant  
 Jeffrey Thompson—Customer Service Consultant  
 Jonathan Bartee—Customer Service Consultant

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 Terri Harbour—Purchasing Specialist  
 Mark Sample, A.A.—Computer Hardware Technician  
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 Seth Southerland—Computer Hardware Technician

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 Paul Bibbins—Network Specialist  
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 Warner Kimbrell—Network Engineer  
 Hollis Mitchell—Computer Operator  
 Stephanie Polly—Network Engineer  
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 Michele Ware, B.S.—Gift Processing Manager  
 Trey Lawyer, B.G.S.—Technical Services and Reports Manager  
 Chrys Weyer—Technical Services Analyst  
 Sujatha Kulkarni, B.S., M.B.A.—Technical Services Analyst  
 Veleria Cowsen—Data Control Supervisor  
 Cathleen Whillock, B.B.A., M.Ed.—Web Services Manager  
 Kristi Kolpanen, B.B.A.—Web Services Coordinator  
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 Laura Chudy, B.B.A.—Associate Director of Alumni Relations  
 Carrie Brown, B.S., M.L.A.—Assistant Director of Alumni Relations  
 Jenya Felder, B.B.A.—Assistant Director of Alumni Relations  
 Kristi Kolpanen, B.B.A.—Web Services Coordinator  
 Melissa Austin-Weeks, B.S.N.—Coordinator of Senior Adult Programming

**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  
 Greg Blackwell, B.A.—Assistant Director of Frog Club/Lettermen's Association

**Donor Relations and Special Projects**

Nancy Petruso, B.A. M.A.—Associate Vice Chancellor of Donor Relations and Special Projects  
 Nancy Madsen, B.S., M.A.—Director of Donor Relations  
 Carrie Moore, B.S., M.A.—Assistant Director of Donor Relations, Clark Society Liaison and Event Planner  
 David Ferrell, B.A.—Assistant Director of Donor Relations, Endowed Fund Stewardship  
 Regan Landreth, B.A.—Assistant Director of Donor Relations, Scholarship/Stewardship Coordinator  
 Anna Ruth Overbey, B.S.—Assistant Director of Donor Relations, Stewardship Coordinator



**University Development**

- David Nolan, B.A., M.A.—Associate Vice Chancellor of University Development
- 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 Gift Planning
- Beth Cardwell, B.B.A.—Assistant Director of Gift Planning
- Steve Shineman, B.A., M.B.A.—Assistant Director of Gift Planning
- Janine Kraus, B.S., M.Ed., Ph.D.—Director of Annual Giving
- Jerome Douglas, B.A., B.B.A.—Director of Phonathon
- Jason Eager, B.A., B.S., M.Ed.—Gift Officer Student and Young Alumni Programs
- Julie Whitt, B.B.A.—Assistant Director of Annual Giving and Director of Reunion Giving Program
- Daniel G. Grigg, B.S.—Assistant Vice Chancellor of Regional Development
- Diane Murray—Development Director of Central U.S. and East Texas
- Karen Cochran, B.S.—Development Director of Eastern U.S. and West Texas
- Nancy Woodson, B.S.—Development Director of Dallas and Fort Worth
- Elizabeth Selzer, B.A.—Development Director of Western U.S. and Central Texas
- Adam Baggs, B.A., M.P.A.—Assistant Vice Chancellor of School/College Development
- David Dibble, B.A., M.A.—Development Director of Business
- Ann McDonald, B.S.—Development Director of Liberal Arts
- DeVonna Tinney, B.B.A.—Development Director of Nursing and Health Sciences
- Michele Case, B.A., M.A.—Development Director of Education
- Valerie DeSantis, B.A.—Development Director of Science and Engineering
- Chandler Smith, B.S.—Development Director of Fine Arts
- Mark Mourer, B.S., M.S.—Development Director of Communication

**William H. Koehler Center for Teaching Excellence**

- Jeff King, B.M., M.M., Ed.D.—Director
- Romana Hughes, B.A.A.S., M.L.A.—Assistant Director
- Kerrie Conover, B.F.A.—Instructional/Graphic Designer
- Natasha Faidley, B.A.—Project Coordinator
- Lai Sze, B.S., M.B.A.—Instructional Designer/Web Master

**William L. Adams Center for Writing**

- Steven Sherwood, B.S., M.F.A., Ph.D.—Director
- 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**

**AddRan College of Liberal Arts - Directory**

- F. Andrew Schoolmaster III, *Dean*
- Michael R. Butler, *Associate Dean*
- Don M. Coerver, *Associate Dean*
- Ida N. Hernandez, *Assistant to the Dean*

**Aerospace Studies**

- CAPT WESLEY COOK, *Assistant Professor*. B.S. (National-Louis University), 2000; M.A. (Webster University), 2006. Since 2007.
- LTC GOLDA ELDRIDGE, *Professor and Chair of the Department*. B.A. (University of Nebraska-Lincoln), 1986; M.S. (Troy State University), 1997. Since 2006.

- CAPT PAUL WILSON, *Assistant Professor*. B.S. (University of Texas, San Antonio), 2004; M.S. (Air Force Institute of Technology), 2006. Since 2007.

**Criminal Justice**

- MICHAEL BACHMANN, *Assistant Professor*. B.A. (University of Mannheim, Germany), 2004; M.A. (Ibid.), 2004; Ph.D. (University of Central Florida), 2008.
- RONALD G. BURNS, *Associate Professor and Director of the Criminal Justice Program*. B.S. (University of South Carolina), 1990; M.C.J. (Ibid.), 1993; Ph.D. (Florida State University), 1997. Since 1997.
- JASON CLARK-MILLER, *Assistant Professor*. B.A. (Baylor University), 1991; M.A. (Ibid.), 1993; Ph.D. (University of Arizona), 2004. Since 2007.
- PATRICK T. KINKADE, *Associate Professor and Chair*. B.A. (University of California, Berkeley), 1981; M.A. (California State University, Los Angeles), 1983; Ph.D. (University of California, Irvine), 1990. Since 1990.
- JOHNNY NHAN, *Assistant Professor*. B.A. (University of California, Irvine), 1999; Ph.D. (Ibid.), 2008.
- KATHERINE POLZER, *Assistant Professor*. B.A. (University of Texas, Austin), 2003; M.S. (California State University, Long Beach), 2005; Ph.D. (University of Texas, Dallas) 2008.

**Economics**

- LAURA BUCILA, *Lecturer*. B.A. (Babas-Bolyai University), 2000; M.A. (Babas-Bolyai University), 2001; M.A. (Clemson University), 2004; Ph.D. (Ibid.), 2008. Since 2009.
- 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*. 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. (Ibid.), 1986; Ph.D. (Ibid.), 1987. Since 1987.
- KRISTIN KLOPFENSTEIN *Associate Professor*. B.A. (George Washington University), 1994; M.A. (University of Colorado), 1998; Ph.D. (Ibid.), 1999. Since 1999.
- JOHN R. LOVETT, *Instructor*. B.A. (Southwest Missouri State University), 1988; M.A. (University of Colorado), 1993; Ph.D. (Ibid.), 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. (Ibid.), 1994. Since 1995.
- W. CHARLES SAWYER, *Professor and Hal Wright Chair of Latin American Economics*. B.A. (St. Mary's University), 1976; M.A. (Ibid.), 1977; Ph.D. (University of Arkansas), 1983. Since 2007.
- KIRIL TOCHKOV, *Assistant Professor*. M.A. (Heidelberg University), 1999; M.A. (State University of New York, Binghamton), 2002; Ph.D. (Ibid.), 2005. Since 2005.

**English**

- ARIANE M. BALIZET, *Assistant Professor*. B.A. (Pomona College), 2000; M.A. (University of Minnesota), 2003; Ph.D. (Ibid.), 2003. Since 2008.
- DAVID COLÓN, *Assistant Professor*. B.A. (CUNY-Brooklyn College), 1997; Ph.D. (Stanford University), 2004. Since 2008.
- BONNIE BLACKWELL, *Associate Professor and Director of Graduate Studies*. B.A. (University of Texas, Austin), 1990; M.A. (Cornell University), 1996; Ph.D. (Ibid.), 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, Buffalo), 1986; Ph.D. (Ibid.), 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. (Ibid.), 1973. Since 1995.

ANNE FREY, *Assistant Professor*. B.A. (Williams College), 1994; M.A. (Johns Hopkins University), 1988; Ph.D. (Ibid.), 2002. Since 2005.

THERESA GAUL, *Associate Professor*. B.A. (College of St. Catherine), 1990; M.A. (University of Wisconsin), 1992; Ph.D. (Ibid.), 1998. Since 1999.

ANN L. GEORGE, *Associate Professor*. B.A. (Michigan State University), 1979; M.F.A. (University of North Carolina, Greensboro), 1981; Ph.D. (Pennsylvania State University), 1997. Since 1997.

DANIEL JUAN GIL, *Associate Professor*. B.A. (Cornell University), 1993; M.A. (Johns Hopkins University), 1997; Ph.D. (Ibid.), 2000. Since 2005.

JILL CAROLINE HAVENS, *Instructor*. B.A. (Mount Holyoke College), 1989; Ph.D. (Oxford University), 1996. Since 2003.

CHARLOTTE HOGG, *Associate Professor and Director of Composition*. 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. (Ibid.), 1976. Since 1988.

MELANIE KILL, *Assistant Professor*. B.A. (The Evergreen State College), 1999; M.A. (University of Washington), 2003; Ph.D (Ibid.), 2008. Since 2008.

CARRIE SHIVELY LEVERENZ, *Associate Professor*. B.A. (Mt. Vernon Nazarene University), 1981; M.A. (St. Bonaventure University), 1985; Ph.D. (Ohio State University), 1994. Since 2000.

BRAD LUCAS, *Associate Professor and Chair*. B.A. (University of Illinois), 1992; M.A. (Southwest Texas State University), 1994; M.L.I.S. (University of Texas, Austin), 1996; Ph.D (University of Nevada), 2002. Since 2003.

JODDY MURRAY, *Associate Professor and Director of Undergraduate Studies*. B.S. (U.S. Air Force Academy), 1990; M.Ed. (University of Oklahoma), 1995; M.F.A. (Texas State University), 1999; Ph.D. (Syracuse University), 2003. Since 2007.

MONA NARAIN, *Associate Professor and Associate Chair*. B.A. (Panjab University), 1985; M.A. (University of Bombay), 1987; Ph.D. (State University of New York, Stony Brook), 1994. Since 2007.

CURT NELSON RODE, *Instructor*. B.A. (University of Illinois), 1988; M.A. (University of Tennessee), 1992; Ph.D. (Ibid.), 1998. Since 2003.

KAREN E. STEELE, *Professor*. B.A. (St. Olaf College), 1988; M.A. (University of Texas, Austin), 1992; Ph.D. (Ibid.), 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*. B.A. (Washington College), 1973; M.A. (University of Denver), 1976; Ph.D. (Ibid.), 1980. Since 2003.

### History and Geography

D. CLAYTON BROWN, *Professor*. B.A. (North Texas State University), 1964; M.A. (Ibid.), 1965; Ph.D. (University of California, 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. (Ibid.), 1980; Ph.D. (Ibid.), 1988. Since 2003.

JAMES T. CHAMBERS, *Associate Professor*. B.A. (Memphis State University), 1965; M.A. (University of Illinois), 1967; Ph.D. (Ibid.), 1973. Since 1971.

DON M. COERVER, *Professor and Associate Dean*. B.A. (Southern Methodist University), 1964; M.A. (Ibid.), 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. (Ibid.), 1968. Since 1997.

HANAN HAMMAD, *Assistant Professor*. B.A. (Cairo University), 1989; M.A. (University of Texas, Austin), 2004. Since 2009.

TODD M. KERSTETTER, *Associate Professor*. B.A. (Duke University), 1986; M.A. (University of Nebraska), 1992; Ph.D. (Ibid.), 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. (Ibid.), 1977. Since 2003.

JEFFREY ROET, *Instructor*. B.A. (State University of New York, Buffalo), 1973; M.A. (Northwestern University), 1977; Ph.D. (Ibid.), 1982.

CLAIRE A. SANDERS, *Instructor*. B.A. (Mount Holyoke College), 1983; J.D. (University of North Carolina), 1986; M.A. (Ibid.), 1991; Ph.D. (Ibid.), 1996. Since 1998.

F. ANDREW SCHOOLMASTER, III, *Professor and Dean*. B.S.E. (Kent State University), 1973; M.A. (Ibid.), 1975; Ph.D. (Ibid.), 1979. Since 2007.

REBECCA SHARPLESS, *Assistant Professor*. B.A. (Baylor University), 1978; M.A. (Ibid.), 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. (Ibid.), 1987; Ph.D. (Ibid.), 1991. Since 1994.

KENNETH STEVENS, *Professor*. B.A. (Indiana University), 1968; M.A. (Ibid.), 1974; Ph.D. (Ibid.), 1982. Since 1983.

PETER A. SZOK, *Associate Professor*. B.S. (Georgetown University), 1990; M.A. (Tulane University), 1994; Ph.D. (Ibid.), 1998. Since 2002.

BENJAMIN TILLMAN, *Associate Professor*. B.S. (Brigham Young University), 1993; M.S. (Ibid.), 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 and Chair*. B.A. (Trinity College), 1987; M.A. (University of Hawaii, Manoa), 1991; Ph.D. (Ibid.), 1995. Since 2002.

### Military Science

LTC JOHN S. AGOR, *Professor and Chair of the Department*. B.A. (Purdue University), 1989; M.B.A. (University of Scranton), 2001. Since 2005.

### Modern Languages and Literatures

CYNTHIA CHAPA, *Instructor*. B.A. (Valparaiso University), 1966; M.A.. (University of Chicago), 1967; Ph.D. (Ibid.), 1974. Since 2005.

SHARON L. FAIRCHILD, *Associate Professor*. B.A. (Wayne State University), 1969; M.A. (Ibid.), 1975; Ph.D. (Ibid.), 1980. Since 1978.

YUMIKO KEITGES, *Instructor*. B.A. (University of Texas, Austin), 1985; M.A. (Ibid.), 1989. Since 1991.

KINDRA DIMMOCK SANTAMARIA, *Assistant Professor*. B.A. (Guilford College), 1997; Ph.D. (Florida State University), 2007. Since 2007.

MARIE-MADELEINE SCHEIN, *Instructor*. B.A. (Université Paul Valéry-Montpellier), 1981; M.A. (Ibid.), 1982; M.A. (University of Colorado), 1985; Ph.D. (University of North Texas), 1994. Since 2006.

JEFFREY D. TODD, *Associate Professor and Chair*. B.A. (Ashbury College), 1983; M.A., French (University of Cincinnati), 1987; M.A., German (Ibid.), 1994; Ph.D. (Ibid.), 1997. Since 1997.

SANDY WATERS, *Assistant Professor*, B.A. (University of Minnesota), 1995; M.A. (University of Oregon), 1998; Ph.D. (Rutgers University), 2008. Since 2008.

SCOTT G. WILLIAMS, *Associate Professor*. B.A. (Stephen F. Austin State University), 1977; M.A., (Universität Hamburg), 1989; Ph.D. (University of Texas, Austin), 1999. Since 2005.

ROBIN WRIGHT, *Instructor*. B.A. (Ohio State University), 1993; M.A. (Ibid.), 1998. Since 2005.

**Philosophy**

- GREGG E. FRANZWA, *Professor*. B.S.C. (Santa Clara University), 1967; M.B.A. (University of California, Berkeley), 1969; M.A. (San Francisco State University), 1972; Ph.D. (University of Rochester), 1975. Since 1976.
- RICHARD F. GALVIN, *Professor and Betty S. Wright Chair in Applied Ethics*. B.A. (Macalester College), 1974; M.A. (University of California, Santa Barbara), 1980; Ph.D. (Ibid.), 1983. Since 1982.
- JOHN R. HARRIS, *Assistant Professor*. B.A. (New Mexico State University), 1997; M.A. (University of Colorado, Boulder), 2001; Ph.D. (Ibid.), 2005. Since 2007.
- BLAKE E. HESTIR, *Associate Professor and Chair*. B.A. (Texas Christian University), 1988; M.A. (Florida State University), 1996; Ph.D., (Ibid.), 1998. Since 1998.
- WILLIAM A. ROCHE, *Assistant Professor*. B.S. (University of Utah), 1997; M.S. (Ibid.), 1998; Ph.D. (Ohio State University), 2006. Since 2006.

**Political Science**

- CHARLES R. BOSWELL, *Distinguished Lecturer*. City Manager, City of Fort Worth, 2004-2008. B.A. (Texas Christian University), 1973; M.P.A. (Texas Christian University), 1978. Since 2008.
- RALPH G. CARTER, *Professor and Chair*. B.A. (Midwestern State University), 1974; M.A. (Ohio State University), 1977; Ph.D. (Ibid.), 1980. Since 1982.
- ERIC W. COX, *Assistant Professor*. B.A. (Austin College), 1997; M.A. (University of Virginia), 2000; Ph.D. (Ibid.), 2005. Since 2004.
- CARRIE LIU CURRIER, *Assistant Professor*. B.A. (University of Michigan), 1996; M.A. (University of Arizona), 1998; Ph.D. (Ibid.), 2004. Since 2004.
- J. MICHAEL DODSON, *Professor*. B.A. (University of South Dakota), 1967; M.A. (University of New Mexico), 1969; Ph.D. (Indiana University), 1974. Since 1973.
- MANOCHEHR DORRAJ, *Professor*. B.A. (University of Texas, Austin), 1975; M.A. (Ibid.), 1979; Ph.D. (Ibid.), 1984. Since 1990.
- JOANNE CONNOR GREEN, *Associate Professor and Chair*. B.S. (State University of New York, Buffalo), 1990; M.A. (University of Florida), 1992; Ph.D. (Ibid.), 1994. Since 1994.
- DONALD W. JACKSON, *Professor and Herman Brown Chair of Political Science*. B.A. (Southern Methodist University), 1959; J.D. (Ibid.), 1962; M.A. (University of Wisconsin), 1969; Ph.D. (Ibid.), 1972. Since 1975.
- CHARLES LOCKHART, *Professor*. B.A. (Kansas State University), 1967; M.A. (State University of New York, Buffalo), 1969; Ph.D. (Ibid.), 1971. Since 1974.
- JAMES W. RIDDLESPERGER, JR., *Professor*. B.A. (North Texas State University), 1975; M.A. (Ibid.), 1980; Ph.D. (University of Missouri), 1982. Since 1982.
- ADAM SCHIFFER, *Associate Professor*. B.A. (Chapman University), 1996; M.A. (Arizona State University), 1998; Ph.D. (University of North Carolina), 2003. Since 2003.
- MICHAEL STRAUSZ, *Associate Professor*. B.A. (Michigan State University), 1999; M.A. (University of Washington), 2001; Ph.D. (Ibid.), 2007. Since 2008.
- MARY L. VOLCANSEK, *Professor*. B.A. (Abilene Christian College), 1969; M.A. (Texas Tech University), 1971; Ph.D. (Ibid.), 1973. Since 2000.
- JAMES C. WRIGHT, JR., *Distinguished Lecturer*. Member of U.S. House of Representatives, 1954-89 (Majority Leader, 1976-87; Speaker 1987-89). Since 1992.

**Religion**

- D. JAMES ATWOOD, *Instructor and Assistant to the Dean of Admissions*. B.A. (Texas Christian University), 1970; M.A. (Vanderbilt University), 1975; Ph.D. (Ibid.), 1978. Since 1983.
- CLAUDIA V. CAMP, *John F. Weatherly Professor of Religion*. B.A. (Duke University), 1972; M. Div. (Harvard University), 1977; Ph.D. (Duke University), 1982. Since 1980.
- MARK W. DENNIS, *Assistant Professor*. B.B.A. (University of Wisconsin), 1984; M.A. (Ibid.), 2001; Ph.D. (Ibid.), 2006. Since 2007.
- J. SAGE ELWELL, *Assistant Professor*. B.A. (William Jewell College), 1998; M.A. (University of Kansas), 2000; M.Litt. (University of St. Andrews), 2002; Ph.D. (University of Iowa), 2008. Since 2009.

- ELIZABETH H. FLOWERS, *Assistant Professor*. B.A. (Millsaps College), 1989; M.A. (University of Texas), 1993; M.Div. (Princeton Theological Seminary), 1999; Ph.D. (Duke University), 2007. Since 2006.
- ANDREW O. FORT, *Professor*. B.A. (Amherst College), 1974; Ph.D. (University of Pennsylvania), 1982. Since 1982.
- C. DAVID GRANT, *Professor and Chair of the Department*. B.A. (Austin College), 1972; M.Th. (Southern Methodist University), 1976; M.A. (Harvard University), 1980; Ph.D. (Ibid.), 1981. Since 1981.
- DAVID M. GUNN, *Professor and A. A. Bradford Chair of Religion*. B.A. (University of Melbourne, Australia), 1964; M.A. (Ibid.), 1966; B.D. (University of Otago, New Zealand), 1967; Ph.D. (Newcastle University, Newcastle-upon-Tyne, England), 1975. Since 1993.
- MELANIE L. HARRIS, *Assistant Professor*. B.A. (Spelman College), 1997; M.Div. (Iliff School of Theology), 2001; Ph.D. (Union Theological Seminary), 2006. Since 2005.
- JACK A. HILL, *Associate Professor*. B.A. (Occidental College), 1971; M.T.S. (Harvard University), 1974; M.A. (Vanderbilt University), 1985; Ph.D. (Ibid.), 1988. Since 2000.
- NADIA M. LAHUTSKY, *Associate Professor*. B.A. (Hiram College), 1973; M.A. (Vanderbilt University), 1979; Ph.D. (Ibid.), 1984. Since 1981.
- SCOTT M. LANGSTON, *Lecturer*. B.A. (Houston Baptist University), 1982; M.A. (University of Texas at Arlington), 2000; M.Div. (Southwestern Baptist Theological Seminary), 1986; Ph.D. (Ibid.), 1992. Since 2008.
- HJAMIL A. MARTINEZ-VAZQUEZ, *Assistant Professor*. B.A. (University of Puerto Rico), 1997; M.A. (Evangelical Seminary of Puerto Rico), 1999; Th.M. (Lutheran School of Theology, Chicago), 2001; Ph.D. (Ibid.), 2003. Since 2005.
- DARREN J. N. MIDDLETON, *Professor*. B.A. (University of Manchester, England), 1989; M.Phil. (Oxford University), 1991; Ph.D. (University of Glasgow, Scotland), 1996. Since 1998.
- W. DAVID NELSON, *Rosalyn and Manny Rosenthal Associate Professor of Jewish Studies*. B.A. (University of Virginia), 1989; M.A. (Hebrew Union College), 1992; Ph.D. (Ibid.), 1999. Since 2001.
- JAN JAYNES QUESADA, *Instructor*. B.A. (University of North Carolina), 1984; M.A. (Baylor University), 1990; Ph.D. (Ibid), 1996. Since 1999.
- YUSHAU SODIQ, *Associate Professor*. B.A. (Islamic University, Medina, Saudi Arabia), 1976; M.A. (Ibid.), 1980; M.A. (Temple University), 1988; Ph.D. (Ibid.), 1991. Since 1992.
- JANET E. SPITTLER, *Assistant Professor*. B.A. (University of Tennessee, Chattanooga), 1999; Ph.D. (University of Chicago), 2007. Since 2007.

**Sociology and Anthropology**

- DAVID AFTANDILIAN, *Assistant Professor*. B.A. (Cornell University), 1990; M.A. (University of Chicago), 1995; Ph.D. (Ibid.), 2007.
- JEFF FERRELL, *Professor*. B.S. (Southern Methodist University), 1975; M.A. (University of Texas, Austin), 1977; Ph.D. (Ibid.); 1982. Since 2003.
- JEANNINE GAILEY, *Assistant Professor*. B.S. (Mount Union College), 2000; M.A. (University of Akron), 2002; Ph.D. (Ibid.); 2005. Since 2005.
- JEAN GILES-SIMS, *Professor*. B.A. (University of New Hampshire), 1973; M.A. (Ibid.), 1976; Ph.D. (Ibid.), 1979. Since 1979.
- MICHAEL A. KATOVICH, *Professor*. B.A. (University of Illinois), 1974; M.A. (University of Iowa), 1978; Ph.D. (Ibid.), 1983. Since 1983.
- DAVID P. SANDELL, *Assistant Professor*. B.A. (Lewis and Clark College), 1987; M.A. (University of Southern California), 1993; M.A. (University of Texas, Austin), 1998; Ph.D. (Ibid.), 2004. Since 2006.
- ANGELA L. THOMPSON, *Instructor*. B.A. (Wellesley College), 1988; M.A. (Brandeis University), 1993; Ph.D. (Ibid.), 1998. Since 1998.
- CAROL THOMPSON, *Associate Professor*. B.A. (Louisiana State University), 1983; M.A. (Ibid.), 1985; Ph.D. (Ibid.), 1988. Since 1992.
- LISA K. VANDERLINDEN, *Assistant Professor*. B.A. (Concordia University), 1992; M.Phil. (Rutgers University), 1998. Since 2002.
- KEITH WHITWORTH, *Instructor*. B.A. (Oauchita Baptist University), 1983; M.A. (Southwest Baptist University), 1993. Since 2000.
- MORRISON G. WONG, *Professor and Chair*. B.A. (California State University, San Jose), 1972; M.A. (University of California, Riverside), 1975; Ph.D. (Ibid.), 1977. Since 1981.

**Spanish and Hispanic Studies**

FRANCIS KOMLA AGGOR, *Professor and Chair*. B.A. (University of Ghana), 1984; M.A. (University of Western Ontario, London, Canada), 1987; Ph.D. (University of California, Los Angeles), 1992. Since 2008.

DAVID BEDFORD, *Instructor*. B.A. (Texas Tech University), 1970; M.A. (Ibid.), 1973; M.A. (Southwestern Baptist Theological Seminary), 1994; Ph.D. (University of Texas, Austin), 1976. Since 1996.

TERESA BLACKWELL, *Lecturer*. B.S.Ed. (University of Arkansas), 1972; M.Ed., (University of Texas, Arlington), 1978. Since 2003.

LEE A. DANIEL, *Professor*. B.A. (Tarleton State University), 1968; M.A. (North Texas State University), 1972; Ph.D. (Texas Tech University), 1979. Since 1985.

ARTURO C. FLORES, *Professor*. B.A. (Universidad Austral de Chile), 1972; M.A. (Arizona State University), 1977; Ph.D. (University of Arizona), 1985. Since 1986.

BONNIE FREDERICK, *Professor*. B.A. (North Texas State University), 1974; M.A. (Ibid.), 1979; Ph.D. (University of Arizona), 1983. Since 2001.

DONALD H. FRISCHMANN, *Professor*. B.A. (University of Missouri), 1975; M.A. (Ohio State University), 1978; Ph.D. (University of Arizona), 1985. Since 1985.

DIANNE R. HOBBS, *Instructor*. B.A. (University of Texas, Arlington), 1981; M.A. (Ibid.), 1985; Ph.D. (University of Texas, Austin), 1990. Since 2001.

SOHYUN LEE, *Assistant Professor*. B.A. (Seoul National University), 1994; M.A. (Ibid.), 1998. Since 2009.

PERRY A. MARCHBANKS, *Instructor*. B.A. (Texas Christian University), 1994; M.A. (University of Texas, Arlington), 1997. Since 2000.

KAREN R. MARTIN, *Instructor*. B.A. (Texas Christian University), 1991; M.A. (University of Texas, Arlington), 1997. Since 2000.

MARY R. N. MCKINNEY, *Instructor*. B.A. (Texas Christian University), 1975; M.A. (Stephen F. Austin State University), 1976; Ph.D. (University of Texas, Arlington), 1984. Since 2000.

KARLA O'DONALD, *Instructor*. B.A. (University of Texas, Arlington), 1997; M.A. (Ibid.), 2002. Since 2004.

STEVEN SLOAN, *Assistant Professor*. B.A. (University of Nevada, Reno), 1993; Ph.D. (Tulane University), 2003. Since 2003.

RYAN T. SCHMITZ, *Assistant Professor*. B.A. (Moorhead State University), 1998; M.A. (University of Texas, Austin), 2004. Since 2009.

**M.J. Neeley School of Business - Directory**

O. Homer Erekson, *Dean*  
 William C. Moncrief III, *Senior Associate Dean*  
 William L. Cron, *Associate Dean, Graduate Programs*  
 Lynn Cole, *Assistant Dean, Undergraduate Programs*  
 Mark Muller, *Assistant Dean, Finance and Administration*  
 John Baum, *Executive Director, Tandy Center for Executive Leadership*  
 Brad Hancock, *Director, Neeley Entrepreneurship Center*  
 Carrie Kemmer and Laura Meade, *Interim Co-Directors, Supply and Value Chain Center*  
 Joe Lipscomb, *Director, Luther King Capital Management Center for Financial Studies*  
 Chuck Miller, *Director, Information Technology*  
 Nancy Nix, *Executive Director, EMBA Program*  
 Kelly O'Brien, *Director, Center for Professional Communication*  
 Robert Rhodes, *Director, International Programs*  
 Bunny Ridgeway, *Director, Alumni Relations*  
 Jeff Waite, *Director, External Relations*  
 ROBERT AKIN, JR., *Instructor of Marketing*. B.G.S. (Texas Christian University), 1998; MBA (Ibid.), 2002. Since 2003.  
 JULIE BAKER, *Professor of Marketing*. B.A. (Iowa State University), 1973; M.A. (University of Nebraska), 1984; Ph.D., (Texas A&M University), 1990.  
 ARNOLD I. BARKMAN, *Associate Professor of Accounting*. A.B. (Columbia College), 1963; M.B.A. (Cornell University), 1965; Ph.D. (University of Houston), 1974; C.M.A., 1977. Since 1974.

CHRISTOPHER B. BARRY, *Professor of Finance and Holder of the Robert and Maria Lowdon Chair of Business Administration*. B.S.I.M. (Georgia Institute of Technology), 1970; D.B.A. (Indiana University), 1973. Since 1988.

JOHN F. BAUM, *Professor of Professional Practice in Management*. B.A. (University of North Texas), 1965; M.A. (Ibid.), 1965; Ph.D. (University of Wisconsin), 1973. Since 2005.

STANLEY B. BLOCK, *Professor of Finance and Holder of the Stan Block Endowed Chair in Finance*. B.B.A. (University of Texas, Austin), 1961; M.B.A. (Cornell University), 1964; Ph.D. (Louisiana State University), 1967. Since 1967.

ROBERT W. BOATLER, *Associate Professor of Finance*. B.A. (University of Texas, Austin), 1966; Ph.D. (Cornell University), 1973. Since 1977.

TYSON R. BROWNING, *Associate Professor of Enterprise Operations*. B.S. (Abilene Christian University), 1993; S.M. (Massachusetts Institute of Technology), 1996; Ph.D. (Ibid.) 1999. Since 2003.

GARRY BRUTON, *Professor of Management. Holder of the Fehmi Zeko Faculty Fellowship*. B.A. (University of Oklahoma), 1978; M.B.A. (George Washington University), 1982; Ph.D. (Oklahoma State University), 1989. Since 1998.

SANDRA R. CALLAGHAN, *Associate Professor of Accounting*. B.S. (Texas Christian University), 1988; M.P.A. (University of Texas, Austin), 1990; Ph.D. (Michigan State University), 1998. Since 1998.

JON C. CARR, *Assistant Professor of Management*. B.B.A. (Mississippi State University), 1988; M.B.A. (Ibid.), 1990; Ph.D. (Ibid.), 2001. Since 2008.

SUZANNE M. CARTER, *Associate Professor of Professional Practice in Management*. B.S. (University of Illinois), 1986; M.B.A. (University of Texas- Austin), 1992; Ph.D. (Ibid), 1997

RICHARD A. CAZIER, *Assistant Professor of Accounting*, B.S. (Brigham Young University), 2004; M.A. (Ibid.), 2004; Ph.D. (University of Iowa), 2009. Since 2009.

DANIEL QI CHEN, *Assistant Professor of Information Systems*. B.E. (Shanghai Maritime University), 1994; M.B.A. (Washington University), 1999. Since 2004.

JANICE B. COBB, *Instructor of Accounting*. B.B.A. (Texas Christian University), 1984; M.B.A. (Ibid.), 1986. Since 1997.

MICHAEL S. COLE, *Assistant Professor of Management*. B.A. (Arkansas Tech University), 1996; M.A. (University of Tulsa), 1997; Ph.D. (Auburn University), 2003. Since 2007.

WILLIAM L. CRON, *Professor of Marketing, Holder of the J. Vaughn & Evelyne H. Wilson Professor in Business and Associate Dean, Graduate Programs*. B.S.B.A. (Xavier University), 1971; M.B.A. (Indiana University), 1972; D.B.A. (Ibid.), 1981. Since 2002.

TERRY E. DIELMAN, *Professor of Decision Sciences*. B.A. (Emporia State University), 1973; M.S. (University of Cincinnati), 1975; Ph.D. (University Michigan), 1979. Since 1978.

O. HOMER EREKSON, *Dean and John V. Roach Chair in Business*. B.A. (Texas Christian University), 1974; Ph.D. (University of North Carolina), 1980. Since 2008.

HUIJING FU, *Assistant Professor of Accounting*. B.A. (Beijing University), 1997; Ph.D. (University of Minnesota) 2004. Since 2005.

STACY LANDRETH GRAU, *Associate Professor of Professional Practice in Marketing*. B.A. (University of Louisiana-Lafayette), 1994; M.S. (Louisiana State University), 1997; Ph.D. (Ibid.) 2002. Since 2008.

CHARLES R. GREER, *Professor of Management, Holder of the M.J. Neeley Professor of Management and Chair, Department of Management*. B.A. (Emporia State University), 1967; M.S. (Wichita State University), 1971; M.B.A. (University of Kansas), 1973; Ph.D. (Ibid.), 1975. Since 1988.

IN-MU HAW, *Holder of the J. Vaughn & Evelyne H. Wilson Professor in Business*. B.A. (Cheong-Ju University), 1974; M.B.A. (University of Alabama), 1979; Ph.D. (Ibid.), 1983. Since 1990.

KEITH M. HMIELESKI, *Assistant Professor of Management*. A.S. (Greenfield Community College), 1995; B.S. (University of Massachusetts), 1998; M.S. (Rensselaer Polytechnic Institute), 2002; Ph.D. (Ibid.), 2005. Since 2005.

MARK B. HOUSTON, *Professor of Marketing and Holder of the James L. and Eunice West Chair of American Enterprise*. B.S. (Southwest

- Baptist Seminary), 1984; M.B.A. (University of Missouri, Columbia), 1990; Ph.D. (Arizona State University), 1995. Since 2007.
- BEATA JONES, *Associate Professor of Professional Practice in Information Systems*. B.B.A. (Baruch College) 1988; M.S. (Ibid.), 1988; Ph.D. (City University, New York), 1993. Since 1995.
- L. VAN JONES, *Instructor of Statistics*, B.S. (Texas Christian University), 1961; MBA (Ibid.), 1963; Ph.D. (Louisiana Baptist Theological Seminary), 1996. Since 2001.
- SUSAN B. KLEISER *Associate Professor of Professional Practice in Marketing and Business Ethics*. B.B.A. (University of Notre Dame), 1989, Ph.D. (University of Cincinnati) 1996. Since 2005.
- CHARLES W. LAMB JR., *M. J. Neeley Professor of Marketing and Chair, Department of Information Systems and Supply Chain Management*. B.S. (Miami University), 1966; M.B.A. (Wright State University), 1970; D.B.A. (Kent State University), 1974. Since 1981.
- TED W. LEGATSKI, *Associate Professor of Professional Practice in Management*. B.B.A. (Sam Houston State University), 1989; M.B.A. (Ibid.) 1991; Ph.D. (Texas A&M University), 1997, Since 2002.
- ROBERT P. LEONE, *Professor of Marketing and J. Vaughn and Evelyn H. Wilson Chair of Marketing*. B.A. (University of Texas, Arlington), 1973; M.B.A. (Ibid.), 1974; Ph.D. (Purdue University), 1978. Since 2008.
- RANDY LEWIS, *Instructor of Management*. A.A. (Tarrant County Junior College), 1983; B.B.A. (Dallas Baptist University), 1995; M.B.A. (Texas Christian University), 1998. Since 1999.
- STEVE C. LIM, *Associate Professor of Accounting*. B.A. (Korea University), 1976; M.S. (Ibid.), 1980; Ph.D. (Wharton School), 1989. Since 1999.
- JOSEPH B. LIPSCOMB, *Professor of Finance and Real Estate, and Director Luther King Capital Management Center for Financial Studies*. B.S. (Texas A&M University), 1968; M.B.A. (University of Houston), 1972; Ph.D. (Ibid.), 1978. Since 1977.
- PETER R. LOCKE, *Professor of Finance*. B.A. (University of Oregon), 1983; Ph.D. (Texas A&M University), 1987. Since 2006
- LARRY J. LOCKWOOD, *Professor of Finance and Holder of the C.R. Williams Professor of Financial Services*. B.S. (David Lipscomb University), 1975; M.A. (Western Kentucky University), 1979; M.S. (Purdue University), 1980; Ph.D. (Ibid.), 1982. Since 1994.
- GEORGE S. LOW, *Associate Professor of Marketing and Chair, Department of Marketing*. B.A. (Brigham Young University), 1982; M.B.A. (University of Western Ontario), 1988; Ph.D. (University of Colorado), 1994. Since 1996.
- ANTONIO MACIAS, *Assistant Professor of Finance*. B.S. (Monterrey Institute of Technology), 1993; M.S. (Stanford University), 1997; M.S. (Ibid), 1998; Ph.D. (Purdue University), 2008. Since 2009.
- JANE M. MACKAY, *Associate Professor of Management Information Systems and Director of the Business Information Systems Program*. B.S. (University of Massachusetts), 1968; M.L.S. (Texas Woman's University), 1974; Ph.D. (University of Texas, Austin), 1987. Since 1986.
- STEVEN C. MANN, *Associate Professor of Finance*. B.S. (University of Utah), 1983; Ph.D. (Ibid.), 1994. Since 1994.
- JOHN MATHIS, *Instructor of Management*. B.S. (Truman State University); M.A. (Arizona State University). Since 2005.
- LAURA M. MEADE, *Associate Professor of Supply Chain Practice* B.S. (Valparaiso University), 1986; M.B.A. (University of Texas, Arlington), 1991; Ph.D. (Ibid.), 1997. Since 2004.
- VASSIL MIHOV, *Associate Professor of Finance*. B.A. (Graceland College), 1995; Ph.D. (Purdue University), 2000. Since 2000.
- DAVID MINOR, *William M. Dickey Entrepreneur in Residence and Instructor of Management*. B.B.A. (Texas Christian University), 1980. Since 1999.
- THOMAS MOELLER, *Assistant Professor of Finance*. B.A. (University of Giessen), 1995; M.B.A. (University of Kentucky), 1996; Ph.D. (University of Texas, Austin), 2002. Since 2006.
- WILLIAM C. MONCRIEF III, *Professor of Marketing, Senior Associate Dean, and Holder of Charles F. and Alann P. Bedford Professor of International Business*. B.A. (University of Mississippi), 1975; M.B.A. (Ibid.), 1978; Ph.D. (Louisiana State University), 1983. Since 1982.
- CURTIS B. MOORE, *Assistant Professor of Management*. B.A. (Texas Tech University), 1994; M.S. (Ibid.), 1997; Ph.D. (Ibid.), 2004. Since 2005.
- JEFF MOORE, *Instructor of Finance*. B.B.A. (Texas Christian University), 1969; M.B.A. (Ibid.), 1971. Since 1974.
- DONALD R. NICHOLS, *Professor of Accounting*. B.B.A. (University of North Texas), 1963; M.B.A. (Ibid.), 1965; Ph.D. (University of Oklahoma), 1970. Since 1984.
- LEONARDO NICOLAO, *Assistant Professor of Marketing*. B.B.A. (Universidade Federal do Rio Grande do Sul), 2000; M.S. (Ibid), 2002; Ph.D. (University of Texas-Austin), 2009. Since 2009.
- NANCY W. NIX, *Executive Director of the Executive MBA Program and Associate Professor of Professional Practice*. B.S. (Salisbury State University), 1980; M.B.A. (Temple University) 1994; Ph.D. (University of Tennessee) 2001. Since 2001.
- PATRICK NUSS, *Instructor of Management*, B.S. (DePaul University); M.B.A. (Northwestern University); Since 2000.
- ALEXA A. PERRYMAN, *Assistant Professor of Management*. B.B.A. (Jacksonville University), 2000; M.B.A. (University of North Florida), 2004; Ph.D. (Florida State University), 2008. Since 2008.
- LAWRENCE H. PETERS, *Professor of Management*. A.B. (University of Washington), 1968; M.S. (Southern Illinois University), 1969; Ph.D. (Purdue University), 1975. Since 1985.
- RAY J. PFEIFFER JR, *Professor of Accounting and Chair, Department of Accounting*. B.A. (Moravian College), 1987; Ph.D. (The University of North Carolina at Chapel Hill), 1994. Since 2009.
- ELIZABETH PLUMMER, *Associate Professor of Accounting*. B.A. (Rice University) 1984; M.P.A. (University of Texas, Austin), 1986; Ph.D. (Ibid.) 1994. Since 2007.
- DAVID S. PRESTON, *Assistant Professor of Information Systems*. B.S. (University of Florida), 1991; M.E. (Ibid.), 1993; M.B.A. (University of Georgia), 2000. Since 2004.
- RANGA V. RAMASESH, *Professor of Decision Sciences*. B.E. (University of Mysore), 1968; M.E. (Indian Institute of Science), 1970; M.B.A. (University of Rochester), 1982; Ph.D. (Pennsylvania State University), 1988. Since 1988.
- ROBERT T. RHODES, *Professor of Professional Practice and Director of International Programs*. J.D. (Baylor University), 1980; L.L.M. (Tulane University), 1992. Since 1984.
- MAURICIO RODRIGUEZ, *Professor of Finance and Real Estate, Holder of the Theodore and Beulah Beasley Faculty Fellowship, and Chair Department of Finance*. B.B.A. (George Washington University), 1988; M.B.A. (American University), 1989; Ph.D. (University of Connecticut), 1994. Since 1994.
- RICHARD A. SCHNEIBLE JR., *Assistant Professor of Accounting*. B.S. (St. Bonaventure University), 1998; Ph.D. (Syracuse University), 2003. Since 2003.
- SHANNON SHIPP, *Associate Professor of Marketing*. B.S. (Tulsa), 1977; M.B.A. (Rensselaer Polytechnic Institute), 1978; Ph.D. (University of Minnesota), 1990. Since 1988.
- DANIEL G. SHORT, *Professor of Accounting*. B.S. (Boston University), 1967; M.B.A. (University of Michigan), 1974; Ph.D. (Ibid.), 1977. Since 2004.
- IRA SILVER, *Associate Professor of Professional Practice in Managerial Economics*. B.S. (City College of New York); Ph.D. (Ibid.). Since 2003.
- MARY STANFORD, *Professor of Accounting and Holder of the Duncan Faculty Fellowship*. B.B.A. (University of Texas, Arlington), 1981; M.P.A. (Ibid.), 1984; Ph.D. (University of Michigan), 1994. Since 2002.
- GREGORY K. STEPHENS, *Associate Professor of Management*. B.S. (Brigham Young University), 1982; M.B.A. (Ibid.), 1984; Ph.D. (University of California, Irvine), 1992. Since 1990.
- TRAVIS TOKAR, *Assistant Professor of Supply Chain Management*. B.S. (University of Arkansas), 2000; Master of Transportation and Logistics Management (Ibid.), 2001; Ph.D. (Ibid.), 2006. Since 2009
- ROBERT L. VIGELAND, *Professor of Accounting*. B.S. (Lehigh University), 1971; M.Ph. (Columbia University), 1976; Ph.D. (Ibid.), 1977. Since 1989.
- WILLIAM F. WEMPE, *Associate Professor of Accounting*. BS (McPherson College), 1986; MBA (Wichita State University), 1989; Ph.D. (Texas A&M University), 1998. Since 2001.
- J. CHRIS WHITE, *Associate Professor of Marketing*. B.B.A. (West Texas State University), 1991; M.B.A. (Texas A&M University), 1993; Ph.D. (Ibid.), 1998. Since 2007.

BARBARA WOOD, *Assistant Professor of Professional Practice in Finance and Assistant Director Luther King Capital Management Center for Financial Studies*. B.I.E. (Auburn University), 1978; M.B.A. (Baylor University) 1999; Ph.D. (University of Texas, Arlington), 2005. Since 2001.

LAURIE WOOD, *Instructor of Accounting*. B.B.A. (Texas Christian University), 1999; M.B.A. (University of Texas, Arlington), 2001. Since 2007.

ERIC YORKSTON, *Associate Professor of Marketing*. B.A. (University of Colorado), 1992; M.B.A. (Rutgers University), 1995; Ph.D. (New York University), 2000. Since 2005.

STUART A. YOUNGBLOOD, *Professor of Management*. B.S. (Purdue University), 1972; M.S. (*Ibid.*), 1973; Ph.D. (*Ibid.*), 1978. Since 1992.

## College of Communication - Directory

David E. Whillock, *Dean*

Melissa Schroeder, *Associate Dean*

Dorenda Kesler, *Assistant to the Dean*

### Schieffer School of Journalism

AARON CHIMBEL, *Assistant professor of Professional Practice*. B.S. (Texas Christian University), 2002; M.S. (Columbia University), 2003. Since 2009.

CATHERINE COLEMAN, *Assistant Professor*. B.A. (University of the South, Sewanee), 1998; B.A. (*Ibid.*), 1998; Ph.D. (University of Illinois), 2009. Since 2009.

AMISO GEORGE, *Associate Professor*. B.S. (Ohio University), 1986; M.A. (*Ibid.*), 1987; Ph.D. (*Ibid.*). Since 2005.

SUZANNE HUFFMAN, *Professor*. B.A. (Texas Christian University), 1973; M.A. (University of Iowa), 1978; Ph.D. (University of Missouri), 1992. Since 1999.

JENNIFER KOWALEWSKI, *Assistant Professor*. B.S. and B.A. (Ohio University), 1996; M.A. (*Ibid.*), 2006; Ph.D. (University of North Carolina) 2009. Since 2009.

JACQUELINE LAMBIASE, *Associate Professor*. B.A. (North Texas State University), 1984; M.A. (University of North Texas), 1992; Ph.D. (University of Texas, Arlington), 1997. Since 2009.

STEVE LEVERING, *Instructor in Journalism*. B.S. (Samford University), 1990; M.S. (Texas Christian University), 2006. Since 2002.

JOHN LUMPKIN, *Director*. B.A. (University of Virginia), 1971. Since 2009.

PETER NOBLE, *Lecturer in Journalism*. B.S. (University of the State of New York), 1980; M.A. (University of Texas, Austin), 1992. Since 2008.

JULIE O'NEIL, *Associate Professor*. B.B.A. (University of Texas, Austin), 1992; B.J. (*Ibid.*), 1992; M.A. (St. Mary's University), 1997; Ph.D. (University of Utah), 2001. Since 2001.

BROXON SEARS, *Lecturer in Journalism*. B.F.A. (Kansas State University), 1977. Since 2008.

WILLIAM T. SLATER, *Professor*. B.A. (Tufts University), 1972; M.A. (Stanford University), 1973; Ph.D. (*Ibid.*), 1977. Since 2002.

DAXTON STEWART, *Assistant Professor*. B.A. (Southern Methodist University), 1994; J.D. (University of Texas, Austin), 1998; M.A. (University of Missouri), 2004; LL.M. (*Ibid.*), 2007; Ph.D. (*Ibid.*), 2009. Since 2008.

MAGGIE B. THOMAS, *Associate Professor*. B.A. (Baylor University), 1966; M.S. (Texas A&M University), 1985; Ph.D. (*Ibid.*), 1988. Since 1991.

TOMMY G. THOMASON, *Professor and Director of the Center for Community Journalism*. B.A. (Ouachita Baptist University), 1970; M.A. (Texas A&M University, Commerce), 1972; Ed.D. (*Ibid.*), 1984. Since 1984.

JOHN R. TISDALE, *Associate Professor and Associate Director of the Schieffer School*. B.S. (Lamar University), 1983; M.A. (*Ibid.*), 1988; Ph.D. (University of North Texas), 1996. Since 2002.

MIKE WOOD, *Instructor in Journalism*. B.S. (Texas Wesleyan University), 1964; M.S. (Texas Christian University), 2002. Since 2002.

## Film, Television, and Digital Media.

RICHARD J. ALLEN, *Professor and Chair of the Department*. B.F.A. (New York University), 1981; M.F.A. (Indiana University), 1984. Since 1993.

RONALD ANDREW HASKETT, *Instructor in Film, Television, and Digital Media*. B.S. (East Texas State), 1979; M.S. (Texas Christian University), 1982. Since 1980.

TRICIA JENKINS, *Assistant Professor*. B.A. (Ambassador University), 1997; M.A. (Western Michigan University), 2003; Ph.D. (Michigan State University), 2007. Since 2008.

CHARLES J. LaMENDOLA, *Instructor in Film, Television, and Digital Media and Studio/Video Production Supervisor*. B.S. (Arkansas State University), 1981; M.S. (*Ibid.*), 1988. Since 1994.

KENNETH D. LOOMIS, *Assistant Professor*. B.B.A. (University of Wisconsin), 1975; M.S. (University of North Texas), 1991; Ph.D. (University of Wisconsin), 1994. Since 2005.

GREG MANSUR, *Instructor in Film, Television, and Digital Media*. B.A. (Rhode Island College), 1991; M.F.A. (Texas Christian University), 2004. Since 2001.

MICHAEL MARTIN, *Instructor in Film, Television, and Digital Media*. B.S. (Kansas State University), 1993; M.S. (University of Oklahoma), 2000; M.S. (Texas Christian University), 2009. Since 2009.

JOAN M. MCGETTIGAN, *Associate Professor*. B.A. (Temple University), 1981; M.A. (Pennsylvania State University), 1985; Ph.D. (*Ibid.*), 1994. Since 1997.

RUSSELL A. SCOTT, *Instructor in Film, Television, and Digital Media and Director of KTCU*. B.A. (Southwest Texas State University), 1982. Since 2006.

JOEL TIMMER, *Associate Professor*. B.S. (Miami), 1988; J.D. (University of California-Los Angeles), 1993; Ph.D. (Indiana University), 2002. Since 2002.

AMBER WATTS, *Assistant Professor*. B.A. (John Hopkins University), 1998; M.A. (University of California, Los Angeles), 2002; Ph.D. (Northwestern University), 2008. Since 2009.

DAVID E. WHILLOCK, *Professor and Dean of the College*. B.A. (Hendrix University), 1976; M.A. (University of Arkansas), 1979; Ph.D. (University of Missouri), 1986. Since 1991.

## Communication Studies

AMBER N. FINN, *Assistant Professor*. B.A. (Texas Woman's University), 1999; M.S. (Texas Christian University), 2002; Ph.D. (University of North Texas), 2007. Since 2005.

DEBI L. IBA, *Instructor*. B.S. (Southwest Missouri State University), 1984; M.A. (*Ibid.*), 1987; Ph.D. (University of North Texas), 2007. Since 2005.

CARA JACOCKS, *Instructor*. B.A. (Texas A&M University), 2001; M.A. (Abilene Christian University), 2003; M.S. (*Ibid.*), 2003. Since 2005.

PAUL E. KING, *Professor and Chair*. (Hardin-Simmons University), 1978; M.S. (Texas Christian University), 1980; Ph.D. (University of North Texas), 1985. Since 1980.

WILLIAM G. POWERS, *Professor*. B.S. (Illinois State University), 1970; M.S., (*Ibid.*), 1971; Ph.D. (University of Oklahoma), 1973. Since 1996.

LE ANN ROBERTS, *Lecturer in Communication Studies*. B.F.A. (University of Texas, Austin), 1988; M.S. (Texas Christian University), 1990. Since 2006.

CHRIS R. SAWYER, *Associate Professor*. B.A. (Houston Baptist University), 1976; M.S. (Texas Christian University), 1980; Ph.D. (University of North Texas) 1992. Since 1999.

DAVID P. SCHRODT, *Associate Professor*. A.S. (Trinity Valley Community College), 1994; B.A. (University of Texas, Arlington); 1997; M.A. (University of North Texas), 2000; Ph.D. (University of Nebraska-Lincoln), 2003. Since 2006

MELISSA J. SCHROEDER, *Associate Dean and Director of Graduate Studies*. B.A. (State University of New York), 1991; M.A. (*Ibid.*), 1993; Ph.D. (*Ibid.*), 1996. Since 1995.

PAUL L. WITT, *Associate Professor*. B.M. (University of Houston), 1970; M.M. (*Ibid.*), 1993; M.A. (University of North Texas), 1997; Ph.D. (*Ibid.*), 2000. Since 2004.

## College of Education - Directory

Mary Patton, *Dean*  
 Kay Stevens, *Associate Dean, Graduate Studies*  
 Elizabeth R. Taylor, *Associate Dean, Undergraduate Studies*  
 Jeannie Bosillo, *Assistant to the Dean*  
 J. Steven Hodnett, *Director of TRiO Programs*  
 Diana Woolsey, *Director of Teacher Certification*  
 Marilyn Tolbert, *Director of Laboratory Schools*  
 Jennifer G. Brooks, *Director of the Center for Urban Education*  
 C. Dale Young II, *Director of Field Experiences and Career Services*  
 MOLLY WEINBURGH, *Director of the Andrews Institute of Mathematics, Science and Technology*  
 SUSAN E. ANDERSON, *Associate Professor*. B.S.Ed. (University of Virginia), 1983; M.Ed. (Ibid.), 1986; Ed.D. (Ibid.), 1992. Since 1992.  
 CATHY C. BLOCK, *Professor*. B.S. (Lamar University), 1970; M.S. (University of North Texas), 1974; Ph.D. (University of Wisconsin, Madison), 1976. Since 1977.  
 MARK A. BLOOM, *Assistant Professor*. B.S. (Dallas Baptist University), 1994; M.S. (Baylor University), 1997; Ph.D. (Texas Christian University), 2008. Since 2008.  
 VICTOR J. BOSCHINI JR., *Professor and Chancellor*. B.A. (Mount Union College), 1978; M.A. (Bowling Green University), 1979; Ed.D. (Indiana University), 1989. Since 2003.  
 AMBER ESPING, *Assistant Professor*. B.M. (California State University), 1996; M.S. (Indiana University), 2007; Ph.D. (Ibid.), 2008. Since 2008.  
 SARAH QUEBEC FUENTES, *Assistant Professor*. B.A. (Boston College), 1995; M.S.T. (Ibid.), 1997; Ed.D. (Montclair State University), 2009. Since 2009.  
 JUDITH GROULX, *Associate Professor*. B.A. (Mount Holyoke College), 1970; M.S. (Texas Christian University), 1983; Ph.D. (Ibid.), 1986. Since 1987.  
 BI YING HU, *Assistant Professor*. A.S. (Ningbo University), 1999; B.S. (University of Central Florida), 2003; M.Ed. (Ibid.), 2005; Ph.D. (Ibid.), 2009. Since 2009.  
 M. FRANCYNE HUCKABY, *Associate Professor*. B.A. (Austin College), 1989; M.Ed. (Texas Christian University), 1996; Ph.D. (Texas A&M University), 2005. Since 2004.  
 JANET KELLY, *Associate Professor*. B.A. (Houston Baptist University), 1969; M.A.T. (Texas Christian University), 1975; Ph.D. (University of North Texas), 1993. Since 1995.  
 JAN LACINA, *Assistant Professor*. B.S. (Baylor University), 1993; M.Ed. (Texas Woman's University), 1996; Ph.D. (University of Kansas), 1999. Since 2005.  
 NANCY MEADOWS, *Associate Professor*. B.A. (University of Texas), 1972; M.Ed. (Ibid.), 1973; Ed.D. (Washington University), 1988. Since 1991.  
 MARY M. PATTON, *Professor and Dean*. B.S. (University of Texas), 1971; M.Ed. (Ibid.), 1973; Ph.D. (Ibid.), 1990. Since 1994.  
 DAN POWELL, *Associate Professor*. B.S.Ed. (Texas Christian University), 1974; M.Ed. (University of North Texas), 1977; Ph.D. (Ibid.), 1982. Since 2004.  
 SHERRIE REYNOLDS, *Professor*. B.S. (University of Arizona), 1964; M.S. (Southern Illinois University), 1965; M.A. (Texas Woman's University), 1976; Ph.D. (Ibid.), 1983. Since 1987.  
 DONAL M. SACKEN, *Professor*. B.A. (University of Texas), 1970; J.D. (Ibid.), 1973; Ph.D. (University of Georgia), 1977. Since 1991.  
 CECILIA SILVA, *Associate Professor*. B.A. (Ohio State University), 1975; M.A. (California State University, Los Angeles), 1982; Ph.D. (University of Southern California), 1990. Since 1995.  
 RANAE STETSON, *Associate Professor*. B.S. (University of Nevada-Las Vegas), 1982; M.Ed. (Ibid.), 1987; Ed.D. (University of Houston), 1991. Since 1996.  
 KAY B. STEVENS, *Associate Professor and Associate Dean*. B.S. (University of North Texas), 1969; M.S. (University of Kentucky), 1979; Ed.D. (Ibid.), 1989. Since 2002.  
 ELIZABETH R. TAYLOR, *Associate Professor and Associate Dean*. B.S. (Abilene Christian University), 1975; M.A. (Sul Ross State University), 1979; Ph.D. (St. Mary's University), 1993. Since 1998.

FRANK N. THOMAS, *Associate Professor*. B.S. (University of South Dakota), 1975; M.Div. (North American Baptist Seminary) 1980; Ph.D. (Texas Tech University), 1988. Since 2005.  
 MOLLY WEINBURGH, *Professor*. B.A. (Agnes Scott College), 1974; M.A.T. (Emory University), 1980; Ph.D. (Ibid.), 1993. Since 2002.  
 CYNTHIA WILLIAMS, *Assistant Professor*. B.S. (Oklahoma State University), 1990; M.Ed. (University of Arkansas), 1992; Ph.D. (University of North Texas), 2007. Since 2006.  
 C. DALE YOUNG II, *Instructor, Director of Field Experiences and Career Services*. B.S. (Texas Christian University), 1966; M.Ed. (Ibid.), 1968. Since 1978.

## Laboratory Schools

KRISTEN ADAMS, *Instructor*. B.A. (Trinity University), 1994; M.Ed. (Texas Christian University), 2003. Since 2003.  
 SHELLEY F. COCHRAN, *Instructor*. B.S.Ed. (Texas Christian University), 1976; M.Ed. (Texas Woman's University), 1979. Since 2003.  
 ROBIN N. DAVIS, *Instructor*. B.F.A. (University of Texas, Arlington), 1974; B.S.Ed. (Texas Christian University), 1976; M.Ed. (University of North Texas), 1979. Since 1984.  
 RANELLA FRANKLIN, *Instructor*. B.S.Ed. (University of North Texas), 1976; M.Ed. (Ibid.), 1979. Since 2003.  
 MICHAEL PATTON, *Instructor*. B.A. (University of Texas, Austin), 1971; M.Ed. (Ibid.), 1973. Since 2004.  
 KIMBERLY PAYNE, *Assistant Director of Laboratory Schools*. B.S.Ed. (Texas Christian University), 1979; M.Ed. (Ibid.), 1981. Since 1996.  
 MADELINE KING THOMAS, *Instructor*. B.S.Ed. (Texas Christian University), 1976; M.Ed. (Texas Woman's University), 1979. Since 1985.  
 MARILYN S. TOLBERT, *Director of Laboratory Schools*. B.S.Ed. (Texas Christian University), 1996; M.Ed. (Ibid.), 2000. Since 2003.

## TRiO Programs

J. STEVEN HODNETT, *Director of TRiO Programs*. B.S.E. (Southern Arkansas University), 1982; M.Ed. (Ibid.), Since 1995.  
 MARGARET FAUST, *Director of Upward Bound Program*. B.A. (University of North Carolina), 1973; M.A. (Ibid.), 1982. Since 1985.  
 MARGARITA GARZA, *Director of Student Support Services*. B.A. (Texas Wesleyan University), 1995. Since 1997.  
 YOLANDA HUGES, *Director of McNair Program*. B.S. (Texas Women's University), 1994; M.Ed. (Texas Christian University), 1997. Since 1997.

## College of Fine Arts - Directory

Scott A. Sullivan, *Dean*  
 H. Joseph Butler, *Associate Dean and Director of Graduate Studies*  
 Andie Piehl, *Assistant to the Dean*  
**Art and Art History**  
 AMANDA ALLISON, *Assistant Professor, Art Education*. B.A. (Louisiana State University), 1996; M.A. (Northwestern State University), 2000; Ph.D. (University of North Texas), 2008. Since 2006.  
 BABETTE BOHN, *Professor, Art History*. B.A. (Northwestern University), 1972; M.A. (Boston University), 1975; M.Phil. (Columbia University), 1978; Ph.D. (Ibid.), 1982. Since 1988.  
 FRANCES COLPITT, *Professor and Deedie Potter Rose Chair in Art History*. B.F.A. (University of Tulsa), 1974; M.A. (Ibid.), 1977; Ph.D. (University of Southern California), 1982. Since 2005.  
 DAVID CONN, *Professor, Printmaking*. B.F.A. (Maryland Institute College of Art), 1967; M.F.A. (University of Oklahoma), 1969. Since 1969.  
 LORI BOORNAZIAN DIEL, *Associate Professor, Art History*. B.A. (Emory University), 1992; M.A. (Tulane University), 1996; Ph.D. (Ibid.), 2001. Since 2002.  
 AMY FREUND, *Assistant Professor, Art History*. B.A. (Princeton University), 1994; M.A. (Berkeley University), 1998; Ph.D. (Ibid.), 2005. Since 2008.  
 LEWIS A. GLASER, *Professor, Graphic Design*. B.A. (Western Michigan University), 1977; M.F.A. (Syracuse University), 1988. Since 1987.

SHARON GOUWENS, *Assistant Visual Resources Librarian*. B.A. (Texas Christian University), 1972; M.A. (Southern Methodist University), 2001. Since 1998.

LINDA DEE GUY, *Professor, Printmaking*. B.A. (University of South Florida), 1974; M.F.A. (Maryland Institute College of Art), 1976. Since 1976.

SUSAN HARRINGTON, *Associate Professor, Painting*. B.F.A. (Maryland Institute College of Art), 1972; M.A. (Purdue University), 1977; M.F.A. (University North Texas), 1984. Since 1988.

CHRIS POWELL, *Assistant Professor, Ceramics*. B.F.A. (Abilene Christian University), 1980; M.F.A. (Bradley University), 1983. Since 1984.

EDITH JANE RILEY, *Visual Resources Librarian*. B.F.A. (Stephen F. Austin State University), 1974; M.A. (Southern Methodist University), 1983. Since 1983.

CAMERON SCHOEPP, *Associate Professor, Sculpture*. B.F.A. (Pacific Lutheran University), 1984; M.F.A. (Texas Christian University), 1987. Since 2003.

PAT SLOAN, *Assistant Professor, Graphic Design*. B.F.A. (Stephens College), 1970; M.F.A. (University of North Texas), 1978. Since 2004.

LUTHER A. SMITH, JR., *Professor, Photography*. B.A. (University of Illinois), 1972; M.F.A. (Rhode Island School of Design), 1974. Since 1983.

SCOTT A. SULLIVAN, *Professor and Dean*. B.A. (John Carroll University), 1969; M.A. (Case Western Reserve University), 1972; Ph.D., (Ibid.), 1978. Since 2000.

MARK THISTLETHWAITE, *Professor and Kay and Velma Kimbell Chair of Art History*. B.A. (University of California, Santa Barbara), 1970; M.A. (Ibid.), 1972; Ph.D. (University of Pennsylvania), 1977. Since 1977.

RONALD WATSON, *Professor, Painting, and Chair of the Department*. B.F.A. (University of Nebraska), 1964; M.F.A. (Ibid.), 1967. Since 1982.

JAMES WOODSON, *Professor, Painting*. B.F.A. (Texas Christian University), 1965; M.F.A. (University of Texas, Austin), 1967. Since 1974.

### Design, Merchandising and Textiles

STEPHANIE BAILEY, *Instructor*. B.S.(Texas Christian University),1994; M.A.(Texas Woman's University), 2000. Since 2009.

JULIENNE BALLANTYNE, *Instructor*. D.A. (Glasgow School of Art), 1974; M.F.A. (Texas Christian University), 1976. Since 2005.

JANACE E. BUBONIA-CLARKE, *Associate Professor and Chair of the Department*. B.S (State University of New York, Oneonta), 1991; M.A. (Texas Woman's University), 1994; Ph.D. (Ibid.), 1998. Since 2000.

SARAJANE L. EISEN-BROWN, *Assistant Professor*. B.A. (University of Texas-Austin), 1977; M.S.(Lamar University),1985; Ph.D.(Texas A&M University), 2006. Since 2009.

AMY ROEHL, *Assistant Professor*. B.S. (Miami University), 1992; M.F.A. (The Art Institute of Chicago), 1996. Since 2007.

SALLY L. FORTENBERRY, *Associate Professor*. B.S. (Carson-Newman College), 1980; M.S. (Texas Woman's University), 1981; Ph.D. (Ibid.), 1985. Since 1989.

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.

LAURA PRESTWOOD, *Associate Professor*. B.S. (Meredith College), 1990; M.F.A. (Winthrop University), 1999. Since 2002.

LINGA SHWETA REDDY, *Assistant Professor*. B.B.A. (Madras University, India), 2001; M.Sc. (Manchester Metropolitan University, United Kingdom), 2004; Ph.D.(Oregon State University), 2008. Since 2008.

PATRICIA T. WARRINGTON, *Associate Professor*. B.A. (Texas Christian University), 1975; M.B.A. (Ibid.), 1984; Ph.D. (University of Arizona), 2002. Since 2006.

### School for Classical & Contemporary 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, *Associate Professor*. B.B.A. (Texas Tech University), 1985. M.F.A. (Texas Christian University), 1990. Secondary Certification-Dance (Ibid.), 1995. Since 1990.

SUKI JOHN, *Assistant Professor*. B.F.A. (University of New Mexico), 1980; M.A. (New York University), 1991; Ph.D. (University of Connecticut), 2007. Since 2007.

CATHLEEN MARTIN, *Assistant Professor*. B.A. (Empire State College, State University of New York), 2006; M.F.A. (Texas Woman's University), 2008. Since 2008.

SUSAN DOUGLAS ROBERTS, *Associate Professor*. B.A. (Texas Christian University), 1979; B.F.A. (Ibid.), 1980; M.F.A. (University of Illinois), 1983. Since 1984.

ELLEN PAGE SHELTON, *Associate Professor and Chair of the Department*. B.F.A. (Texas Christian University), 1971. M.F.A. (Ibid.), 1978. Since 1973.

### School of 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.

DAVID BEGNOCHE, *Assistant Professor of Trombone*. B.M. (New England Conservatory), 1990; M.M. (Manhattan School of Music), 1995. Since 2009.

MARTIN BLESSINGER, *Assistant Professor of Music (Theory/Composition)*. B.A. (State University of New York, Stony Brook), 2000; M.A. (Ibid.), 2003; D.M. (Florida State University), 2006. Since 2007.

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. (University of Illinois), 1978; M.M. (University of Kansas), 1980; D.M.A. (University of Arizona) 1988. Since 2000.

H. JOSEPH BUTLER, *Professor, University Organist, Associate Dean and Director of Graduate Studies*. B.A. (Bowdoin College), 1976; M.M. (New England Conservatory), 1978; D.M.A. (Eastman School of Music), 1985. Since 1996.

JOEY CARTER, *Instructor in Percussion, Music Theory, Jazz Studies*. B.M.E. (University of Texas, Arlington), 1991; M.M. (Texas Christian University), 2000.

JESÚS CASTRO-BALBI, *Associate 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.

STUART G. CHENEY, *Assistant Professor of Music (Musicology)*. B.M. (University of North Texas), 1985; M.M. (University of North Texas), 1989; Ph.D. (University of Maryland), 2002. Since 2009.

PAUL CORTESE, *Assistant Director*. B.M. (Syracuse University), 1989; M.M. (New England Conservatory), 1992. Since 2005.

JOSPEH ECKERT, *Assistant Professor of Music (Saxophone)*. B.M. (Baldwin-Wallace College), 1977; M.M. (University of North Texas), 1981. Since 2007.

RICHARD ESTES, *Associate Professor and Director of Opera Studio*. B.M. (Stetson University School of Music), 1970; M.M. (Catholic University), 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 University), 1982; D.M.A. (University of 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. (University of Northern Iowa), 1974; M.A. (University of California, San Diego), 1977; Ph.D. (Ibid.), 1984. Since 1987.



- MISHA GALAGANOV, *Associate Professor of Viola*. B.M. (Jerusalem), 1994; Artist Certificate (Southern Methodist University), 1996; M.M. (Rice University), 1998; D.M.A. (Ibid.), 2003. Since 2000.
- ROBERT GARWELL, *Professor of Music*. B.F.A. (Ohio University), 1965; M.F.A. (Ibid.), 1967; D.M.A. (University of Oklahoma), 1977. Since 1989.
- ANN M. GIPSON, *Associate Professor of Professional Practice in Music and Director of Piano Pedagogy*. B.M. (Eastern Illinois University), 1982; M.M. (University of Oklahoma), 1985; Ph.D. (Ibid.), 1992. Since 2005.
- RICHARD C. GIPSON, *Director and Professor of Music*. A.A. (Del Mar College), 1969; B.M. (University of Texas, Austin), 1971; M.M. (Ibid.), 1973; D.Ed/Music Education (Pennsylvania State University), 1978. Since 2002.
- JOHN READ GIORDANO, *Associate Professor*. B.M.E. (Texas Christian University), 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. (University of Illinois), 1991; D.A. (University of Northern Colorado), 1997. Since 1996.
- SAN-KY KIM, *Assistant Professor of Voice*. B.A. (Australian National University), 1988; B.M. (Canberra Institute of the Arts, Australia), 1988; M.M. (Curtis Institute of Music), 1991; Professional Studies Diploma (Temple University), 1992; D.M.A. (Ibid.), 2004. Since 2005.
- LEANNE HEDGES KIRKHAM, *Director of Music Preparatory Program and Instructor in Piano Pedagogy*. B.M. (Texas Christian University), 1978; M.M. (Ibid.), 1981. Since 1981.
- YUAN XIONG LU, *Assistant Professor of Double Bass*. B.M. (Shanghai Conservatory); M.M. (University of Texas, Austin). Since 2008.
- 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.
- MICHAEL MECKNA, *Assistant Professor of Music (Theory/Composition)*. B.A. (California State University), 1978; Ph.D. (University of California), 1984. Since 1990.
- TILL MACIVOR MEYN, *Associate Professor of Music Education*. B.A. (University of California, San Diego), 1993; M.M. (Indiana University), 1996; D.M.A. (University of Southern California), 2000. Since 2007.
- 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. (University of Texas, Austin), 1965; M.S. (Juilliard School), 1970. Since 1990.
- JANET W. PUMMILL, *Associate Professor of Professional Practice in Music and Coordinator of Accompanying*. B.M. (University of North Texas), 1964; M.M. (University of Illinois), 1968. Since 1992.
- RONALD L. SHIREY, *Professor of Choral Music*. B.M. (University of Tulsa), 1955; M.M. (Ibid.), 1961. Since 1976.
- R. ERIC SIMPSON, *Assistant Professor of Music (Music Education)*. B.M.E. (Stetson University), 1997; M.M. (University of Cincinnati), 2006. Since 2009.
- CURT THOMPSON, *Associate Professor of Violin*. B.M. (Indiana), 1992; M.M. (Indiana University), 1994; D.M.A. (Rice University), 2003. Since 1997.
- TAMÁS UNGÁR, *Professor of Piano*. A.Mus.A., L.Mus.A. (Sydney Conservatorium, Australia), 1965; D.M. (Indiana University), 1983. Since 1978.
- TIMOTHY D. WATKINS, *Assistant Professor of Music (Musicology and Ethnomusicology)*. B.M. (Samford University), 1987; M.M. (Southern Baptist Theological Seminary), 1990; M.M. (Florida State University), 1993; Ph.D. (Florida State University), 2001. Since 2009.
- BRIAN WEST, *Associate Professor of Percussion*. B.M.E. (University of North Texas), 1992; M.A. (Indiana University of Pennsylvania), 1994; D.M.A. (University of Oklahoma), 2003. Since 2001.
- GARY WHITMAN, *Professor of Woodwinds*. B.M.E. (University of North Texas), 1976; M.M.E. (Ibid.), 1978. Since 1989.
- CURTIS W. WILSON, *Professor of Music/Director of Jazz Studies*. B.M.E. (Texas Christian University), 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 University) 1987; M.M. (East Texas State University), 1992. Since 1999.

**Theatre**

- MICHELE ALFORD, *Costume Studio Supervisor*. B.F.A. (University of North Texas), 1995. Since 2002.
- SUSANNA BROWN, *Costume Technician*. B.F.A. (Texas Christian University), 2007. Since 2008.
- BRIAN CLINNIN, *Assistant Professor*. B.F.A. (University of Kansas), 1992; M.F.A. (Ibid.), 2004. Since 2008.
- JENNIFER ENGLER, *Associate Professor*. B.F.A. (Emporia State University), 1995; M.F.A. (Michigan State University), 1998. Since 2003.
- MICHAEL HEIL, *Assistant Professor*. A.B. (Xavier University), 1974; M.F.A. (Schiller International University), 1980; M.F.A. (University of Texas, Austin), 1992.
- LaLONNIE LEHMAN, *Professor*. B.A. (Texas Christian University), 1972; M.A. (Ibid.), 1975. Since 1972.
- HARRY PARKER, *Professor and Chair of the Department*. B.F.A. (Texas Christian University), 1980; M.A. (University of Kansas), 1982; Ph.D. (Ibid.), 1992. Since 2003.
- KRISTA SCOTT, *Assistant Professor*, B.F.A. (Emporia State University), 1983; M.F.A. (University of Minnesota), 1990. Since 2009.
- ALAN SHORTER, *Associate Professor*. B.A. (Indiana University), 1978; M.F.A. (Minnesota State University, Mankato), 2001. Since 2006.
- MICHAEL SKINNER, *Associate Professor*. B.A. (West Texas State University) 1990; M.F.A. (University of Oklahoma), 1993. Since 1993.
- JUDD VERMILLION, *Assistant Professor of Professional Practice*. B.A. (University of Texas of the Permian Basin) 1996; M.F.A. (Texas Tech University), 2002. Since 2004.
- THOMAS J. WALSH, *Associate Professor*. B.A. (San Diego State University), 1979; M.F.A. (University of Texas, Austin), 1982; Ph.D. (Ibid.), 1996. Since 1999.
- PHILIP ZIELKE, *Scenic Studio Supervisor*. B.F.A. (Texas Christian University), 2006. Since 2006.

**Harris College of Nursing & Health Sciences - Directory**

- Paulette Burns, *Dean*
- Pam Fable, *Associate Dean and Director of Nursing*
- Debbie Rhea, *Associate Dean for Health Sciences and Research*
- Susan Weeks, *Associate Dean for External Affairs*
- Sharon Hudson, *Assistant to the Dean*
- Sybil White, *Assistant to the Dean for Graduate and Undergraduate Studies*

**Communication Sciences and Disorders**

- LYNN K. FLAHLIVE, *Instructor*. B.S. (Marquette University), 1977; M.S. (Ibid.), 1978. Since 1991.
- TERESA DENNETT GONZALEZ, *Clinical Instructor*. B.S. (Texas Woman's University), 1976; M.S. (Ibid.), 1985. Since 1992.
- JOAN S. KLECAN-AKER, *Professor*. B.S. (Middle Tennessee State University), 1968; M.A. (Memphis State University), 1971; Ph.D. (Florida State University), 1982. Since 1994.
- JANET ROYER LANZA, *Instructor*. B.S. (Texas Christian University), 1975; M.S. (Ibid.), 1976. Since 1989.
- HELEN A. McCAFFREY MORRISON, *Associate Professor*. B.A. (Trinity University), 1974; M.S. (University of Oklahoma), 1976; Ph.D. (University of Texas, Austin), 1992. Since 1995.
- MARIA MUÑOZ, *Associate Professor*. B.A. (University of California, Santa Barbara), 1988; M.A. (University of Texas, Austin), 1991; Ph.D. (Ibid.), 2001. Since 2006.
- IRMGARD PAYNE, *Adjunct*. B.A. (University of Texas, Arlington), 1986; M.S. (Texas Christian University), 1994. Since 2003.

RAUL PREZAS, *Assistant Professor*. B.A. (Trinity University), 2002; B.M. (Ibid.), 2002; M.A. (Wichita State University), 2006; Ph.D. (Ibid.), 2008. Since 2008.

SHARON B. RAPP, *Adjunct*. B.S. (Colorado State University), 1980; M.S. (Ibid.), 1982. Since 1995.

CAROL H. SYMON, *Instructor*. B.S. (Purdue University), 1971; M.S. (Ibid.) 1972. Since 2000.

JENNIFER BARBER WATSON, *Professor*. B.S. (Northern Arizona University), 1976; M.A. (Northwestern University), 1979; Ph.D. (Ibid.), 1981. Since 1982.

CHRISTOPHER WATTS, *Associate Professor and Chair of Department of Communication Sciences*. B.S. (University of South Alabama), 1994; Ph.D. (Ibid.), 1998. Since 2008.

ROSALYNA YARBROUGH, *Instructor*. B.S. (Texas Christian University); M.S. (Ibid.), 1996. Since 2000.

BARBARA YOUNT, *Adjunct*. B.S. (Dallas Baptist University), 1975; M.A. (Texas Woman's University), 1986. Since 2005.

**Kinesiology**

T. ROSS BAILEY, *Instructor*. B.S. (Texas Christian University), 1976; M.Ed. (Ibid.), 1977. Since 1977.

STEPHEN L. BROTHERTON, *Adjunct Assistant Professor*. B.S. (Texas Christian University), 1978; M.D. (University of Texas, Southwestern), 1982. Since 1998.

DAVID GABLE, *Instructor*. B.S. (University of Nebraska, Lincoln), 1993; M.S. (Ohio University), 1994. Since 2003.

CHRISTOPHER P. HALL, *Instructor*. B.S. (Texas Christian University), 1983; M.L.A. (Ibid.), 1989. Since 1984.

SAM HARALDSON, *Adjunct Clinical Professor*. B.S. (University of California, Irvine), 1997; M.D. (University of California, Irvine, School of Medicine), 2001. Since 2005.

KELLEY HENDERSON, *Clinical Assistant Professor*. B.S. (University of South Alabama), 1997; M.Ed. (Northwestern State University), 1999. Since 2006.

JOSEPH C. MILNE, *Adjunct Assistant Professor*. B.S. (Brigham Young University), 1983; M.D. (Baylor University), 1987. Since 1998.

JOEL B. MITCHELL, *Professor and Chair of Department of Kinesiology*. B.A. (Lewis and Clark College), 1978; M.A. (University of Maryland), 1983; Ph.D. (Ball State University), 1988. Since 1988.

MELODY D. PHILLIPS, *Assistant Professor*. B.S. (University of Texas, Arlington), 1994; M.S. (Texas Christian University), 1996; Ph.D. (Purdue University), 2001. Since 2004.

CAROL J. POPE, *Associate Professor*. B.S.Ed. (University of Texas, Austin), 1975; M.A. (Texas Woman's University), 1978; Ph.D. (Ibid.), 1985. Since 1989.

DEBORAH J. RHEA, *Associate Professor and Associate Dean for Health Sciences and Research*. B.S. (University of Texas, Arlington), 1980; M.Ed. (University of Houston) 1990; Ed.D. (Ibid.), 1995. Since 1999.

MEENA SHAH, *Associate Professor*. B.Sc. (Robert Gordon's College, Aberdeen, Scotland), 1982; Ph.D. (London University, London), 1986. Since 2001.

GLORIA SOLOMON, *Associate Professor*. B.S. (Oregon), 1985; M.S. (Oregon), 1987; Ph.D. (University of California, Berkeley), 1993. Since 2009.

DAN L. SOUTHARD, *Professor*. B.A. (Buena Vista University), 1969; M.A. (University of Iowa), 1977; Ph.D. (Ibid.), 1980. Since 1980.

DAVID E. UPTON, *Assistant Professor*. A.S. (Berkshire Community College), 1973; B.S. (University of Tennessee), 1975; M.S. (University of Massachusetts), 1978; Ph.D. (Ibid.), 1980. Since 2006.

SEAN WILLEFORD, *Clinical Assistant Professor and Program Director, Athletic Training Education*. B.A. (University of the Pacific), 1994; M.S. (University of Arizona), 1996. Since 2005.

MARK WYLIE, *Adjunct Assistant Professor*. B.S. (Texas Christian University), 1994; M.D. (University of Texas, Southwestern), 1998. Since 2006.

**Nursing**

LAVONNE ADAMS, *Assistant Professor*. A.S. (Kettering College of Medical Arts), 1985; B.S.N. (Wright State University), 1988; M.S. (Andrews University), 1992; Ph.D. (Ibid.), 2003. Since 2004.

ELIZABETH "BETSY" AGEE, *Clinical Instructor*. B.S.N. (Texas Christian University), 2004; M.S.N. (Ibid.), 2006. Since 2007.

PHYLLIS J. ALLEN, *Clinical Instructor and Director of Learning Lab*. B.S.N. (Texas Christian University), 1965; M.S. (Texas Woman's University), 1993. Since 2004.

MARINDA E. ALLENDER, *Instructor and Director of Undergraduate Programs*. B.S.N. (University of Virginia), 1978; M.S.N. (University of Texas, Arlington), 1985. Certified Pediatric Nurse. Since 1989.

KATHY BAKER, *Associate Professor and Director of the Doctor of Nursing Practice Program*. B.S.N. (Baylor University), 1981; M.S.N. (Texas Woman's University), 1988; Ph.D. (University of Texas), 2003. Clinical Nurse Specialist (APRN, BC). Since 2007.

KATHLEEN BALDWIN, *Associate Professor and Director of Graduate Studies in Nursing*. Diploma (West Pennsylvania Hospital School of Nursing), 1968; B.S. (Texas Woman's University), 1981; M.S. (Ibid.), 1984; Ph.D. (Texas Woman's University, Dallas), 1988. Gerontological Nurse Practitioner; Adult Nurse Practitioner; Adult Medical-Surgical Clinical Nurse Specialist. Since 1999.

JIMMIE COMPTON BORUM, *Clinical Instructor*. B.S.N. (Texas Woman's University), 1994; M.S. (Ibid.), 1997. Since 2002.

SUZANNE BRYANT, *Clinical Instructor*. B.S. (Hampton University), 1993; M.S.N. (Ibid.), 2001. Since 2006.

PAULETTE BURNS, *Associate Professor and Dean of Harris College of Nursing and Health Sciences*. B.S.N. (University of Maryland), 1971; M.S. (University of Oklahoma), 1980; Ph.D. (Texas Woman's University), 1989. Since 2001.

CAROLYN SPENCE CAGLE, *Associate Professor*. B.S.N. (Mankato State), 1972; M.S. (Northern Illinois University), 1976; Ph.D. (Texas Woman's University), 1983. Since 1978.

SHARON CANCLINI, *Clinical Instructor*. A.S. (College of Alameda), 1978; Diploma (Samuel Merritt Hospital), 1979; B.S.N. (University of Texas Health Science Center), 1982; M.S. (Wright State University School of Nursing), 1987. Since 2005.

DENNIS CHEEK, *Abell-Hanger Professor of Gerontological Nursing*. A.S. (Yuba College), 1979; B.S.N. (California State University), 1982; M.S. (University of California), 1988; Ph.D. (University of Nevada), 1996. Since 2003.

LINDA CURRY, *Professor*. A.A. (University of Florida), 1963; B.S.N. (Ibid.), 1965; M.N. (Ibid.), 1966; Ph.D. (North Texas State University), 1984. Since 1976.

GLENDIA DANIELS, *Assistant Professor*. B.S.N. (University of Texas), 1975; M.S.N. (Texas Woman's University), 1994; Ph.D. (University of Texas, Arlington), 2009. Since 2009.

KATHY LEE DUNHAM-HAKALA, *Clinical Instructor*. B.S.N. (Baylor University), 1972; M.A.R.E. (Southwestern Baptist Theological Seminary), 1988; M.S.N. (University of Texas, Arlington), 1992. Nurse Practitioner. Since 2007.

PAMELA JEAN FRABLE, *Associate Professor and Associate Dean and Director of Nursing*. A.B. (University of Chicago), 1976; N.D. (Case Western Reserve University), 1982. Since 2000.

DIANE ACKALL HAWLEY, *Clinical Assistant Professor*. B.S.N. (TCU), 1981; M.S. (Texas Woman's University), 1988; Ph.D. (New Mexico State University), 1998. Clinical Nurse Specialist in Medical-Surgical Nursing; Critical Care Clinical Nurse Specialist. Since 1998.

LYNNETTE HOWINGTON, *Clinical Instructor*. B.S.N. (Texas Christian University), 1994; M.S.N. (Old Dominion University), 2003. Women's Health Nurse Practitioner. Since 2007.

RHONDA KEEN, *W. F. "Tex" and Pauline Curry Rankin Professor of Nursing*. B.S.N. (Texas Christian University), 1978; M.N.Sc. (University of Arkansas), 1981; Ph.D. (Texas Woman's University), 1985. Since 1982.

SUZY LOCKWOOD, *Associate Professor and Director of Center for Oncology Education and Research*. B.S.N. (Texas Christian University), 1983; M.S.N. (University of Texas, Arlington), 1994; Ph.D. (Ibid.), 2001. Since 1997.

LINDA L. MARTIN, *Clinical Instructor*. B.S.N. (University of Texas, Arlington), 1980; M.S.N. (Ibid.), 1997; D.N.P. (Texas Christian University), 2009. Family Nurse Practitioner. Since 2001.

DEBRA MCLACHLAN, *Assistant Professor*. Diploma (Quincy City Hospital School of Nursing), 1975; B.S.N. (University 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, *Clinical Instructor*. A.D.N. (Rochester State Junior College), 1973; B.S.N. (Winona State University), 1979; M.S. (Texas Woman's University), 1983. Since 2005.

PENNY MOORE, *Assistant Professor*. B.S.N. (University of Texas, Houston), 1975; M.S.N. (University of Texas), 1979; Ph.D. (Texas Woman's University), 1997. Since 2009.

NANCY MOULTON, *Clinical Instructor*. A.D.N. (Angelo State University), 1991; B.S.N. (Ibid.), 1993; M.S. (Texas Woman's University), 1996. Since 2005.

GLENN RAUP, *Assistant Professor*. B.S.N. (University of Colorado Health Science Center), 1989; M.S.N. (University of Texas Health Science Center, Houston), 1993; Ph.D. (University of Arkansas Medical Sciences), 2007. Since 2009.

KRIS RIDDLESPERGER, *Clinical Assistant Professor*. B.E.S. (University of Missouri, Columbia), 1980; B.S.N. (Texas Christian University), 1985; M.S. (Texas Woman's University), 1989; Ph.D. (Ibid.), 2000. Clinical Nurse Specialist Maternal Child. Since 1995.

SUSAN RUGARI, *Assistant Professor*. B.S.N. (Stephen F. Austin State University), 1986; M.S.N. (University of Texas, Arlington), 1991; Ph.D. (Texas Woman's University), 1999. Since 2007.

DEBRA SCHMIDT, *Clinical Instructor*. Diploma (Methodist Hospital School of Nursing), 1976; B.S.N. (West Texas A&M University), 1980; M.S.N. (University of Texas, Arlington), 1991. Since 2003.

MARY KAY SCHNELL, *Lecturer*. B.S. (University of Nebraska, Lincoln), 1994; M.S.N. (Andrews University), 1999. Since 2007.

MELISSA McINTIRE SHERROD, *Assistant Professor*. B.A. (University of Texas), 1975; B.S.N. (University of Texas Health Science Center), 1977; M.S.N. (Ibid.), 1980; Ph.D. (Texas Woman's University), 1997. Since 2004.

LAURA THIELKE, *Lecturer*. B.S.N. (Valparaiso University, Indiana), 1980; M.S.N. (Texas Woman's University), 1988. Since 2009.

CHARLES ALAN WALKER, *Professor*. B.S. (Texas Christian University), 1977; B.S.N. (Ibid.), 1983; M.S.N. (University of Texas, Arlington), 1989; Ph.D. (Texas Woman's University), 2000. Since 2001.

MARY BETH WALKER, *Assistant Director of Simulation Lab*. B.S.N. (Texas Christian University), 1980; M.S. (Texas Woman's University), 1995. Since 1996.

JODIE WEATHERLY, *Clinical Instructor*. B.S.N. (West Texas A&M University), 1993; M.S.N. (Ibid.), 2005. Since 2007.

SUSAN WEEKS, *Instructor, Harris College Associate Dean for External Affairs and Director of Center for Evidence-Based Practice and Research*. B.S.N. (William Jewell College), 1983; M.S. (Texas Woman's University), 1986; D.N.P. (Texas Christian University), 2009; Clinical Nurse Specialist in Psych-Mental Health Nursing. Since 1994.

JO NELL WELLS, *Associate Professor*. B.S.N. (University of Central Arkansas), 1974; M.S.N. (Wichita State University), 1981; Ph.D. (Texas Woman's University), 1998. Since 1998.

KATHLEEN WHITE, *Clinical Instructor*. A.D.N. (Tarrant County Community College), 1982; B.S.N. (University of Texas, Arlington), 1984; M.S.N. (Ibid.), 1990. Pediatric Nurse Practitioner. Since 2007.

### Social Work

HARRIET COHEN, *Assistant Professor*. B.A. (University of Georgia), 1973; M.S.W. (Ibid.), 1975; Ph.D. (Ibid.), 2001. Since 2005.

TRACY J. DIETZ, *Associate Professor*. B.S. (University of Wisconsin, Platteville), 1973; M.S.S.W. (University of Wisconsin, Madison), 1986; Ph.D. (Ibid.), 1993. Since 1992.

DAVID A. JENKINS, *Associate Professor and Chair of Department of Social Work*. B.S. (Louisiana State University), 1983; M.S.W. (Ibid.), 1988; Ph.D. (Florida State University), 1992. Since 1991.

LESLIE ANN LOVETT, *Clinical Assistant Professor of Social Work and Director of Field Education*. B.S. (New Mexico State University), 1977; M.S.W. (University of North Carolina, Chapel Hill), 1992. Since 2006.

LINDA S. MOORE, *Professor*. B.A. (Eastern College), 1969; M.S.W. (Virginia Commonwealth University), 1975; Ph.D. (Texas Woman's University), 1994. Since 1977.

## College of Science & Engineering Directory

Demitris Kouris, *Dean*

Kenneth M. Morgan, *Associate Dean and Director of TCU Energy Institute*

J. Richard Rinewalt, *Associate Dean*

C. Magnus L. Rittby, *Associate Dean*

Armida M. Guzman, *Assistant to the Dean*

### Biology

GIRIDHAR R. AKKARAJU, *Associate Professor*. B.S. (University of Bombay, India), 1985; Ph.D. University of Pittsburgh School of Medicine), 1997. Since 2002.

WAYNE J. BARCELLONA, *Associate Professor*. A.B. (University of Southern California), 1962; M.S. (Ibid.), 1965; Ph.D. (Ibid.), 1970. Since 1973.

MATTHEW CHUMCHAL, *Assistant Professor*. B.S. (Southwestern University), 2001; M.S. (Texas Christian University), 2003; Ph.D. (University of Oklahoma), 2007. Since 2007.

MICHAEL CHUMLEY, *Assistant Professor*. B.S. (University of Wyoming), 1987; M.S. (Ibid.), 1994; Ph.D. (University of Colorado Health Sciences Center), 2000. Since 2008.

RAY W. DRENNER, *Professor and Chair of the Department*. B.A. (University of Kansas), 1972; Ph.D. (Ibid.), 1977. Since 1977.

AMANDA HALE, *Assistant Professor*. B.S. and B.A. (Purdue University), 1995; M.S. (Ibid.), 1998; Ph.D. (University of Miami), 2004. Since 2007.

PHILIP S. HARTMAN, *Professor and Chair of The Health Professions Advisory Committee*. B.S. (Iowa State University), 1975; Ph.D. (University of Missouri), 1979. Since 1981.

JOHN D. HORNER, *Professor*. B.S. (Louisiana State University), 1979; M.S. (University of New Mexico), 1983; Ph.D. (Ibid.), 1987. Since 1990.

CLARK A. JONES, *Instructor*. B.S. (Texas Christian University), 1989; M.S. (Ibid.), 1992; Ph.D. (Southern Methodist University), 1997. Since 2008.

GAIL I. JONES, *Instructor*. B.A. (Radford University), 1971; M.S. (Texas Christian University), 1979; Ph.D. (University of North Texas), 1992. Since 1997.

GLENN C. KROH, *Associate Professor*. Associate's Degree (Pennsylvania State University), 1962; B.S. (Ibid.), 1966; M.S. (Ibid.), 1970; Ph.D. (Michigan State University), 1975. Since 1975.

MICHAEL D. McCracken, *Associate Professor and Dean*. B.S.E. (Texas Tech University), 1963; M.S. (Ibid.), 1965; Ph.D. (Indiana University), 1969. Since 1971.

SHAUNA M. McGILLIVRAY, *Assistant Professor*, B.A. (Concordia College), 1999; Ph.D. (University of California), 2006. Since 2009.

MIKE MISAMORE, *Assistant Professor*. B.S. (University of Wisconsin), 1989; M.S. (Charleston, S.C.), 1993; Ph.D. (Louisiana State University), 1998. Since 2003.

LEO W. NEWLAND, *Professor*. B.S. (Texas A&M University), 1964; M.S. (University of Wisconsin), 1965; Ph.D. (Ibid.), 1968. Since 1969.

MICHAEL SAWEY, *Instructor*. B.S. (Texas Wesleyan University), 1994; M.S. (Texas Christian University), 2008. Since 2008.

DEAN WILLIAMS, *Assistant Professor*. B.A. (Coe College), 1988; M.S. (University of Alabama, Huntsville), 1991; Ph.D. (Purdue University), 2000. Since 2007.

### Chemistry

ONOFRIO ANNUNZIATA, *Assistant Professor*. M.S. (University of Naples), 1997; (Texas Christian University), 2001. Since 2004.

JEFFERY L. COFFER, *Professor and Chair of the Department of Chemistry*. B.S. (Wofford College), 1982; M.S. (University of Wisconsin, Milwaukee), 1985; Ph.D. (Ibid.), 1987. Since 1990.

SERGEI V. DZYUBA, *Assistant Professor*. Diploma in Chemistry (Odessa State University), 1998; Ph.D. (Texas Tech University), 2002. Since 2006.

JULIE A. FRY, *Lecturer*. B.S. (Rice University), 1989; Ph.D. (Texas Christian University), ABD. Since 2009.

TRACY A. HANNA, *Associate Professor*. B.A. (Brown University), 1988; Ph.D. (University of California, Berkeley), 1994. Since 1998.

- BENJAMIN JANESKO, *Assistant Professor*. B.S. (Allegheny College), 1999; Ph.D. (Carnegie Mellon University), 2005. Since 2009.
- DAVID E. MINTER, *Professor*. B.S. (Stephen F. Austin State University), 1968; M.S. (Ibid.), 1970; Ph.D. (University of Texas, Austin), 1974. Since 1980.
- JEAN-LUC G. MONTCHAMP, *Associate Professor*. Diploma of Engineering in Chemistry (School of Industrial Chemistry, France), 1989; Ph.D. (Purdue University), 1992. Since 1998.
- ROBERT H. NEILSON, *Professor*. B.S. (Carnegie-Mellon University), 1969; Ph.D. (Duke University), 1973. Since 1978.
- YOUGHUA RYU, *Assistant Professor*. B.S. (Postech University, Korea), 1991; Ph.D. (Texas A&M University), 2004. Since 2007.

**Computer Science**

- LISA J. Burnell-Ball, *Associate Professor*. B.A. (University of Texas, Arlington), 1980; M.S. (Ibid.) 1990; Ph.D. (Ibid), 1995, Since 2001.
- JAMES R. COMER, *Associate Professor and Chair of the Department*. B.S. (University of Texas, Arlington), 1971; M.S. (Ibid.), 1972; Ph.D. (Texas A&M University), 1979. Since 1981.
- BILLY J. FARMER, *Instructor*. B.S. (Howard Payne University), 1979; M.S. (East Texas State), 1995. Since 2002.
- CHARLES J. HANNON, *Associate Professor*. B.A. (Texas A&M University), 1979; M.S. (University of Texas, Arlington), 1994; Ph.D. (Ibid), 2000. Since 2001.
- BONNIE E. MELHART, *Associate Professor and Associate Provost for Academic Affairs*. B.A. (Wright State University), 1972; M.S. (Southern Illinois University), 1974; M.S. (University of California-Irvine), 1988; Ph.D. (Ibid.), 1990. Since 1990.
- C. THOMAS NUTE, *Associate Professor*. B.A. (University of California-San Diego), 1968; M.S. (Texas A&M University), 1970; Ph.D. (Ibid.), 1977. Since 1981.
- L. DONNELL PAYNE, *Associate Professor*. B.S. (Sam Houston State University), 1973; M.S. (Ibid.), 1976; Ph.D. (University of Texas, Arlington), 1988. Since 1988.
- J. RICHARD RINEWALT, *Associate Professor and Associate Dean*. B.S.E.E. (University of Texas, Arlington), 1969; M.S.E.E. (Ibid.), 1971; Ph.D. (University of Illinois), 1976. Professional Engineer-Texas, 1982. Since 1986.
- ANTONIO SANCHEZ-AGUILAR, *Associate Professor*. B.S. (Universidad Iberoamericana), 1975; M.S. (George Washington University), 1976; D.Sc. (Ibid), 1983. Since 2005.

**Engineering**

- BECKY BELLATTI BITTLE, *Instructor*. B.S. (Oklahoma State University), 1980; M.S. (Purdue University), 1993; Ph.D. (Oklahoma State University) 1994. Since 1998.
- ROBERT R. BITTLE, *Associate Professor*. B.S. (Oklahoma State University), 1980; M.S. (Purdue University), 1983; Ph.D. (Iowa State University), 1994. Since 1994. Professional Engineer-Texas.
- BILL M. DIONG, *Associate Professor*. B.S. (University of Illinois), 1986; M.S. (Ibid), 1988; Ph.D. (Ibid), 1992. Since 2005.
- JOHN R. FANCHI, *Matthews Professor of Petroleum Engineering*, B.S. (University of Denver), 1974; M.S. (University of Mississippi), 1975; Ph.D. (University of Houston), 1977. Since 2009.
- EDWARD S. KOLESAR, *Professor and Holder of the W.A. "Tex" Moncrief Jr. Chair of Engineering*. B.S. (University of Akron), 1973; M.S. (Air Force Institute of Technology), 1978; Ph.D. (University of Texas, Austin), 1985. Professional Engineer-Texas. Since 1993.
- TRISTAN J. TAYAG, *Associate Professor*. B.S.E.E. (Johns Hopkins University), 1986; M.S.E.E. (Ibid.); 1987; Ph.D. (University of Virginia), 1991. Since 1997.
- PATRICK L. WALTER, *Professor of Professional Practices in Engineering*. B.S. (Pennsylvania State University), 1965; M.S. (University of New Mexico), 1967; Ph.D. (Arizona State University), 1978. Professional Engineer-New Mexico. Since 1995.
- R. STEPHEN WEIS, *Professor*. B.S.E.E. (U. S. Naval Academy), 1979; M.S. (Georgia Institute of Technology), 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 University), 1966; M.S.A.E. (University of Texas, Austin), 1967; Ph.D. (Ibid.), 1970. Since 1999.

**Environmental Science**

- T.L. BURGESS, *Professor of Professional Practice*. B.S. (University of Arizona), 1971; M.S. (Texas Tech University), 1977; Ph.D. (University of Arizona), 1988. Since 2005.
- STEPHANIE EADY, *Instructor*. B.A. (University of Maryland), M.S. (Texas Christian University), 2007. Since 2008.
- TAMIE MORGAN, *Professor of Professional Practice*. B.S. (Rice University), 1980; M.S. (Texas Christian University), 1982. Since 2008.
- LEO W. NEWLAND, *Professor*. B.S. (Texas A&M University), 1964; M.S. (University of Wisconsin), 1966; Ph.D. (Ibid.), 1969. Since 1969.
- REBECCA RICHARDS, *Professor of Professional Practice*. M.S. (Texas Christian University), 1996. Since 2007.
- MICHAEL C. SLATTERY, *Professor and Chair*. B.A. (University of the Witwatersrand), 1988; M.S. (University of Toronto), 1990; Ph.D. (Oxford University), 1994. Since 1998.

**Geology**

- HELGE ALSLEBEN, *Assistant Professor*. B.S. (University of Hamburg), 1996; M.S. (San Jose State University), 2000; Ph.D. (University of Southern California), 2005. Since 2005.
- JOHN A. BREYER, *Professor*. B.S. (University of Cincinnati), 1970; Ph.D. (University of Nebraska), 1974. Since 1984.
- ARTHUR B. BUSBEY, *Associate Professor*. B.S. (University of Texas, Austin), 1974; M.A. (Ibid.), 1977; Ph.D. (University of Chicago), 1982. Since 1985.
- R. NOWELL DONOVAN, *Provost and Vice Chancellor for Academic Affairs, Charles B. Moncrief Professor*. B.Sc. (Newcastle University), 1966; Ph.D. (Ibid.), 1972. Since 1986.
- RICHARD E. HANSON, *Herndon Professor and Chair of the Department*. B.S. (Oklahoma State University), 1975; M.S. (Ibid.), 1977; Ph.D. (Columbia University), 1983. Since 1988.
- RHIANNON G. MAYNE, *Assistant Professor*. B.S. (Edinburgh University), 2002; Ph.D. (University of Tennessee), 2008. Since 2009.
- KEN M. MORGAN, *Professor, Director of the TCU Energy Institute and Associate Dean*. B.S. (Indiana University), 1973; M.S. (Arizona State University), 1976; Ph.D. (University of Wisconsin), 1978. Since 1978.

**Mathematics**

- KATHY COLEMAN, *Instructor*. B.A. (Texas Tech University), 1978; M.A. (Ibid.), 1971, 1989. Since 2005.
- H. G. DOLLAR, *Instructor*. B.S. (University of 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. (University of Iowa), 1962; M.A. (Ibid.), 1964; M.S. (University of Washington), 1967; Ph.D. (Ibid.), 1968. Since 1969.
- ZE-LI DOU, *Associate Professor*. B.A. (City University of New York, Queens College), 1987; Ph.D. (Princeton University), 1993. Since 1994.
- PENG FAN, *Associate Professor*. B.A. (National Taiwan Normal University), 1970; M.A. (National Tsing-Hua University, Taiwan), 1972; Ph.D. (Indiana University), 1980. Since 1983.
- GREG FRIEDMAN, *Assistant Professor*. B.S. (Brown University), 1996; M.S. (New York University), 1998; Ph.D. (Ibid), 2001. Since 2005.
- GEORGE T. GILBERT, *Associate Professor*. B.A. (Washington University), 1979; Ph.D. (Harvard University), 1984. Since 1990.
- RHONDA L. HATCHER, *Associate Professor*. B.A. (University of Colorado), 1980; A.M. (Harvard University), 1982; Ph.D. (Ibid.), 1987. Since 1990.
- SCOTT NOLLET, *Associate Professor*. B.S. (University of Minnesota), 1985; Ph.D. (University of California, Berkeley), 1994. Since 2000.
- ALLISON C. OWEN, *Instructor*. B.A. (Kansas Wesleyan University), 1981; M.L.S. (Texas Women's University), 1983; M.A. (Ibid), 1987. Since 2000.
- EFTON PARK, *Professor*. B.S. (University of Oklahoma), 1983; Ph.D. (State University of New York, Stony Brook), 1988. Since 1992.
- IGOR P. PROKHORENKOV, *Associate Professor*. B.S. (Moscow State University), 1991; Ph.D. (Rice University), 1997. Since 1998.

KEN RICHARDSON, *Professor*. B.A. (Rice University), 1986; M.A. (Ibid.), 1989; Ph.D. (Ibid.), 1993. Since 1994.

KRISTI E. RITBY, *Instructor*. B.S. (Texas Christian University), 1997; M.S. (University of Texas, Arlington), 2000. Since 2002.

LOREN SPICE, *Assistant Professor*. B.S. (Towson University), 1998; M.S. (University of Chicago), 2000; Ph.D. (Ibid.), 2004. Since 2009

SUSAN G. STAPLES, *Associate Professor*. B.S. (Case Western Reserve University), 1983; Ph.D. (University of Michigan), 1988. Since 1995.

KENNETH STEVENSON, *Instructor*. B.A. (Cameron University), 1971; M.S. (Southwest Texas State University), 1980; Ed.D. (Texas A&M University, Corpus Christi), 1995. Since 2005.

QIAO ZHANG, *Assistant Professor*. B.S. (Shandong University), 1996; M.S. (Ibid.), 1998; Ph.D. (Columbia University), 2003. Since 2008.

**Nutritional Sciences**

LYN DART, *Associate Professor*. B.S. (Texas Woman's University), 1980; M.S. (Ibid.) 1994; Ph.D. (Ibid.) 2001. Since 2001.

REBECCA DORITY, *Instructor*. B.S. (University of Maine), 1999; M.S. (Tufts University) 2001. Since 2007.

MARY ANNE GORMAN, *Professor*. B.A. (University of North Texas), 1970; M.Ed. (Ibid.), 1974; Ph.D. (Texas Woman's University), 1983. Since 1983.

GINA J. HILL, *Associate Professor*. B.S. (Texas Tech University), 1998; M.S. (Ibid.), 1999; Ph.D. (Ibid.), 2003. Since 2003.

ANNE D. VANBEBER, *Professor and Chair of the Department of Nutritional Sciences*. B.S. (Texas Tech University), 1979; M.S. (Texas Woman's University), 1982; Ph.D. (Ibid.), 1991. Since 1992.

**Physics and Astronomy**

PETER M. FRINCHABOY III, *Assistant Professor*, B.S. (California State University), 2000; M.S. (University of Virginia), 2002; Ph.D. (Ibid), 2006. Since 2009.

WILLIAM R. M. GRAHAM, *Professor*. B.Sc. (University of Western Ontario), 1966; M.Sc. (Ibid.), 1968; Ph.D. (York University) 1971. Since 1977.

DOUGLAS R. INGRAM, *Instructor*. B.A. (University of Texas, Austin), 1990; M.Sc. (University of Washington), 1991; Ph.D. (Ibid.), 1996. Since 1996.

BRUCE N. MILLER, *Professor*. B.A. (Columbia University), 1963; M.Sc. (University of Chicago), 1965; Ph. D. (Rice University), 1969. Since 1971.

C. A. QUARLES, *W.A. "Tex" Moncrief Jr. Professor*. B.A. (Texas Christian University), 1960; M.A. (Princeton University), 1962; Ph.D. (Ibid.), 1964. Since 1967.

C. MAGNUS L. RITBY, *Professor and Associate Dean*. B.S. (University of Sussex), 1980; Ph.D. (University of Stockholm), 1985. Since 1990.

YURI M. STRZHEMECHNY, *Assistant Professor*. M.S. (Khrakov Politechnic University), 1988; Ph.D. (City University of New York), 2000. Since 2005.

T. WALDEK ZERDA, *Professor and Chair of the Department*. M.S. (Silesian University), 1971; Ph.D. (Ibid.), 1978; D.S. (Poznan University of Medical Sciences), 1983. Since 1987.

**Psychology**

TIMOTHY M. BARTH, *Professor and Chair of the Department of Psychology*. B.S. (St. Bonaventure University), 1979; M.S. (Wesleyan University), 1982; Ph.D. (University of Texas, Austin), 1986. Since 1990.

GARY W. BOEHM, *Assistant Professor*. B.A. (Utah State University), 1989; M.S. (University of Connecticut), 1992; Ph.D. (Ibid.), 1996. Since 1999.

BRENT GRANT COOPER, *Assistant Professor*. B.S. (University of New Mexico), 1993; Ph.D. (University of Utah). Since 2007.

CATHY R. COX, *Assistant Professor*. B.A. (University of Colorado, Colorado Springs), 2000; M.A. (Ibid), 2004; Ph.D. (University of Missouri), 2009. Since 2009.

DAVID R. CROSS, *Associate Professor*. B.A. (University of California, Fresno), 1977; M.A. (University of Michigan), 1984; Ph.D. (Ibid.), 1985. Since 1985.

DONALD F. DANSEREAU, *Professor*. B.S. (State University of New York, Buffalo), 1964; M.A. (Carnegie-Mellon University), 1966; Ph.D. (Ibid.), 1969. Since 1968.

PATRICK M. FLYNN, *Professor and Deputy Director, Institute of Behavioral Research*. B.A. (Gannon University), 1972; M.A. (West Virginia College of Graduate Studies Institute), 1975; Ph.D. (University of Miami), 1982. Institute of Behavioral Research; Since 2006.

SARAH E. HILL, *Assistant Professor*. B.A. (University of Wisconsin, Milwaukee), 2000; Ph.D. (University of Texas, Austin), 2006. Since 2008.

KENNETH J. LEISING, *Assistant Professor*. B.S. (Texas Christian University), 2003; M.A. (UCLA), 2004; Ph.D. (Ibid), 2008. Since 2009.

CHARLES G. LORD, *Professor*. B.A. (University of Rhode Island), 1976; Ph.D. (Stanford University), 1980. Since 1987.

DIANA MCFARLAND, *Professor of Professional Practice; Coordinator, Psychology of Leadership Minor*. B.S. (Phillips University) 1985; M.S. (Texas Christian University) 1992; Ph.D. (Ibid.) 1996. Since 1994.

MAURICIO R. PAPINI, *Professor*. Licentiate (University of Buenos Aires), 1976; Ph.D. (University of San Luis, Argentina), 1985. Since 1990.

ANNA INGEBORG PETURSDOTTIR, *Assistant Professor*. B.A. (University of Iceland), 1996; M.A. (Western Michigan University), 2004; Ph.D. (Ibid.). Since 2006.

PAMELA M. STUNTZ, *Instructor*. 1989; M.S. (Texas Christian University) 2000; Ph.D. (Ibid.). Since 2003.

D. DWAYNE SIMPSON, *Professor and Director, Institute of Behavioral Research*. B.A. (University of Texas, Austin), 1966; Ph.D. (Texas Christian University), 1970. Since 1990.

**Ranch Management Program - Directory**

ERIC L. BLAST, *Assistant Director of the Ranch Management Institute and Houston Livestock Show and Rodeo Professor*. B.A. (University of Texas, Austin), 1990; M.S. (Texas A&M University), 1994; Ranch Management Program (Texas Christian University), 2005. Since 2006.

KERRY L. CORNELIUS, *Director of the Ranch Management Program and Burnett Ranches Professor*. B.S. (Tarleton State University), 1985; Ranch Management Program (Texas Christian University), 1986; M.S. (Tarleton State University) 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 University), 1986; Ranch Management Program (Texas Christian University), 1996. Since 2006.

JASON S. FAUBION, *Assistant Director of the Ranch Management Program and John Biggs Professor*. B.S. (Tarleton State University), 1993; M.S.T. (Ibid.), 1994. Since 2007.

JEFFREY C. GEIDER, *William Watt Matthews Director of the Ranch Management Institute*. B.G.S. (Texas Christian University), 1981; Ranch Management Program (Ibid.), 1981; M.L.A. (Ibid.), 1999. Since 1997.

**Emeritus Faculty**

DAVID F. ADDIS, *Emeritus Associate Professor of Mathematics*

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*  
 JOSEPH A. BOBICH, *Emeritus Professor of Chemistry*  
 JOHN W. BOHON, *Emeritus Associate Professor of History*  
 PAUL F. BOLLER, *Emeritus Professor of History*  
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