



**2023-2024**

**Academic Undergraduate Catalog**

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# Academic Calendar

## Fall 2023

Regular Session	
Mon., Aug. 21	First Classes Meet
Mon., Sept. 4	Labor Day Holiday
<i>Fall Break:</i>	
Wed., Oct. 4	Fall Break. Classes Recess at 10 p.m.
Mon., Oct. 9	Fall Break Ends. Classes Resume at 8 a.m.
<i>Thanksgiving:</i>	
Fri., Nov. 17	Thanksgiving Holiday. Classes Recess at 10 p.m.
Mon., Nov. 27	Classes Resume from Holiday at 8 a.m.
Wed., Dec. 6	Last Day of Class for This Session
Thur., Dec. 7	Study Day
Fri., Dec. 8	Study Day
Mon.-Fri., Dec. 11-15	Final Exams Begin-See Final Exam Calendar On <a href="http://www.reg.tcu.edu">www.reg.tcu.edu</a>
Sat., Dec. 16	Commencement Weekend

## Intersession 2023

Regular Session	
Mon., Dec. 18	First Day of Class
Fri., Jan 12	Last Day of Class

## Spring 2024

Regular Session	
Mon., Jan 15	Martin Luther King, Jr. Holiday
Tues., Jan 16	First Classes Meet
<i>Spring Refresh:</i>	
Fri., March 8	Classes Recess for Spring Refresh, 10:00 pm
Mon., March 18	Classes Resume after Spring Refresh, 8:00 am
<i>Good Friday Holiday:</i>	
Thur., March 28	Classes Recess for Good Friday Holiday 10:00 pm
Mon., April 1	Classes Resume, 8:00 am
Wed., May 1	Last Day of Class
Thurs.-Fri., May 2-3	Study Days
Mon.-Fri., May 6-10	Final Examinations

## Summer 2024

### Summer Session

Mon., May 13	May & 8Wk Sessions Begin
Mon., May 27	Memorial Day Holiday
Fri., May 31	May Session Ends
Mon., Jun 3	Jun Session Begins
Wed., Jun 19	Juneteenth Holiday
Thurs., July 4	Independence Day Holiday
Fri., July 5	JUN & 8Wk Sessions End
Mon., July 8	JLY Session Begins
Fri., Aug 2	JLY Session Ends

# About TCU

Texas Christian University is a major private teaching and research university with the residential, person-centered environment usually 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 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 students to consider what they believe.
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 and embraced by all nine 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 nine academic divisions—AddRan College of Liberal Arts, Neeley School of Business, Bob Schieffer College of Communication, College of Education, College of Fine Arts, Harris College of Nursing & Health Sciences, College of Science & Engineering, John V. Roach Honors College and Burnett School of Medicine—TCU is independent and self-governing.

Nationally recognized Division I-A athletics contribute to the welcoming collegiality of the campus. Of the 21 sports—football and baseball for men; volleyball, rifle, equestrian, triathlon, beach volleyball and soccer for women; and basketball, cross country, indoor and outdoor track and field, tennis, golf and swimming and diving for men and women—some are ranked in the nation's Top 25.

International study, a priority at TCU, provides 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 1862, Addison Clark formally enlisted in the Confederate Army in Grayson County; his brother, Randolph, joined Addison for a short period toward the war's end, but not as a formally enlisted soldier.

In 1869, the Clark brothers 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 name is arguably the first instance of coeducation in the Southwest. The Clark brothers' legacies are simultaneously tied to an ignominious fight for enslavement as well as a noble struggle for intellectual liberation.

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 Coutts Burnett.

With an enrollment of more than 12,273 students, TCU draws from all 50 states and more than 75 countries. Of the 709 full-time faculty, about 86 percent hold the highest degree in their discipline; the student-faculty ratio is about 13:1. The 302-acre campus, located only a few miles from downtown Fort Worth, houses nearly 5,000 students and offers an impressive span of activities and recreational facilities.

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 nine academic units, eight offering undergraduate and graduate degrees (see TCU Graduate Studies Catalog). The Roach Honors College offers non-degree courses for undergraduates only. The Burnett School of Medicine offers programs leading to an M.D. degree. All are the responsibility of the Provost/Vice Chancellor of Academic Affairs.

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

## Neeley School of Business

The Neeley School of Business 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, entrepreneurship, finance, management, marketing, information systems and supply chain management, as well as distinct competencies that allow them to lead in the business world.

## Bob Schieffer College of Communication

The Bob Schieffer College of Communication combines liberal arts studies with professional training. Within the Department of Journalism, Department of Strategic Communication, Department of Communication Studies and Department of Film, Television and Digital Media, students learn to apply their classroom experiences. Located in the fifth largest media market in the United States, graduates find ample opportunity to develop their skills. Personal counseling and relatively small classes enable the faculty to give attention to the work of each student.

## College of Education

The College of Education offers programs to prepare educational professionals—teachers, counselors and administrators who serve children from pre-school through college—their families and the broader field of education. Undergraduate programs prepare educational professionals in the following ways: through teacher education, educational studies, youth advocacy, and interdisciplinary inquiry.

Teacher Education programs prepare individuals for teacher certification in early childhood through grade six, as well as composite and academic subjects in middle and high school. 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 emphases on urban schools, English as a second language and special education.

The Youth Advocacy and Educational Studies (YAES) program prepares individuals to serve in a variety of capacities in agencies, initiatives and programs that support the broader field of education beyond classroom walls. Educational course content focuses on educational theory, professional roles and ethical practice, curriculum and internships. YAES majors also specialize in 15 hours of undergraduate coursework taken in disciplines related to education.

Interdisciplinary Inquiry (IINQ) majors explore a problem or question beyond the confines of one particular discipline. Interdisciplinarity is an approach to studying and addressing issues and contexts in ways integrate multiple perspectives, theories, methodologies, and insights to construct more comprehensive and nuanced understandings. IINQ students combine disciplines in innovative ways that speak to their particular interests and aspirations upon graduation. Focus area courses taken each year towards the major are determined by the student and the IINQ program coordinator.

The college's Educational Studies minor provides students with a broad understanding of the field of education, school systems, and human development. Students have the flexibility to choose from a number of education courses of interest to satisfy requirements for this minor.

## College of Fine Arts

The College of Fine Arts represents an integral part of TCU's educational history. The college includes the School of Music, the School for Classical & Contemporary Dance, and the School of Art; and the departments of Design, Fashion Merchandising 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 13 departments provide the solid liberal arts base needed for professional study toward the ministry, law, medicine, business, teaching or 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

The Harris College of Nursing & Health Sciences unites Nursing, the School of Nurse Anesthesia, the Davies School of Communication Sciences and Disorders, Kinesiology and Social Work into an integrated unit. Degree programs offered by the college build on a strong liberal arts foundation and prepare graduates for complex and varied professional settings. Many of the courses enable students to learn through experience as they encounter 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 & Biochemistry, Computer Science, Engineering, Environmental Science, Geological Sciences, Mathematics, Nutritional Sciences, Physics & Astronomy, Psychology and Ranch Management, the college offers the Bachelor of Science degree with majors in 20 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).

## John V. Roach Honors College

The John V. Roach Honors College seeks to support highly motivated students in their quest for intellectual, ethical, and personal growth. Through innovative courses and high-impact learning experiences, students from all majors are immersed in a culture of integrative learning that encourages ethical engagement and cultural humility in local and global communities. Students who complete all lower- and upper-division Honors requirements graduate as Honors Laureates and are recognized at a special ceremony prior to the University commencement.

## Anne Burnett Marion School of Medicine

The Anne Burnett Marion School of Medicine brings together the world's best practices in medical education and the latest advances in technology to forge new boundaries in medical student education and training. This progressive approach to medical education creates and shapes empathetic scholars who are both adept at caring for patients, and able to meet the health care challenges of tomorrow.

## Mission, Vision and Values

### Our Mission

The mission of Texas Christian University, a private comprehensive university, is **to educate individuals to think and act as ethical leaders and responsible citizens in the global community** through research and creative activities, scholarship, service, and programs of teaching and learning offered through the doctoral level.

### Our Vision

To be a world-class, values-centered university.

### Our Core Values

TCU Values:

- Academic and personal achievement.
- Intellectual inquiry and the creation of knowledge.
- Artistic and creative expression.
- A heritage of service in pursuit of the greater good.
- Personal freedom and integrity.
- The dignity of and respect for the individual.
- Active appreciation for the array of human experience and the potential of every human being.

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

Education fosters the capacity for rational decision-making, creative thinking and expression, and responsible living. Although 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. People are at the center of the educational endeavor. 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 challenges students, faculty and staff 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.

The University intends to maintain only undergraduate and graduate programs that aim toward excellence, the well-being of students and the wholeness of the University. There must be compatibility among the values and daily practices of the University and its 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 superior 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 successfully pursue their collegiate work.

- Provide a variety of support services that enhance the educational experience.
- 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; and research; and through participation of faculty and staff in civic, religious and other affairs.
- Earn growing support from those who share the conviction that strong, independent institutions of higher learning are crucial 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.

Texas Christian University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, masters, and doctoral degrees. Questions about the accreditation of Texas Christian University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on the SACSCOC's website

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 Society of North America.

## Program-Related Accreditation and Membership

TCU schools, colleges, programs and departments are accredited by discipline specific bodies.

Engineering Accreditation Commission of ABET, (Department of Engineering)

Accrediting Council on Education in Journalism and Mass Communication (Department of Journalism)

American Association of Colleges of Nursing (DNP)

American Chemical Society (Department of Chemistry & Biochemistry)

ASHA Council on Academic Accreditation in Audiology and Speech-Language Pathology (Davies School of Sciences and Disorders)

Association of American College and Universities

Association to Advance Collegiate Schools of Business (Neeley School of Business and Department of Accounting)

Association of Graduate Liberal Studies Programs

Association of Texas Graduate Schools

Commission on Accreditation of Athletic Training Education (Athletic Training Program)

Accreditation Council for Education in Nutrition and Dietetics (Coordinated Program in Dietetics, Didactic Program in Dietetics and Department of Nutritional Sciences)

Commission on Collegiate Nursing Education (Nursing)

Conference of Southern Graduate Schools

Council of Graduate Schools

Council for Interior Design Accreditation (Department of Design)

Council on Accreditation American Association of Nurse Anesthetists (School of Nurse Anesthesia)

Council on Social Work Education (Department of Social Work)

Graduate Management Admissions Council

Liaison Committee on Medical Education

National Association for the Education of Young Children (Starpoint School)

National Association of Schools of Art and Design (Department of Design)

National Association of Schools of Dance (School for Classical and Contemporary Dance)

National Association of Schools of Music (School of Music)

Southern Association of Independent Schools (Starpoint School)

Texas Board of Nurse Examiners (Nursing)

Texas Education Agency (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.

Tuition and fees are set at a level consistent with the educational services the University provides and are usually announced in the spring to be effective the following fall session. Tuition and fee schedules are available from:

#### Office of Admission

TCU Box 297013

Fort Worth, TX 76129

(817) 257-7490 [www.financialaid.tcu.edu](http://www.financialaid.tcu.edu)

#### Student Financial Services

TCU Box 297011

Fort Worth, TX 76129

(817) 257-7836

#### Residential Services

TCU Box 297360

Fort Worth, TX 76129

(817) 257-7865

A large program of scholarships and financial aid helps approximately 83 percent of the student body with educational costs each year. For more information, see Student Financial Aid (p. 11) 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 of a minimum 20 percent of total basic charges (tuition, fees, room, meal plan, and student health and tuition insurance less approved financial aid) is required by the due date of the month that classes begin (August for the fall semester and January for the spring semester). The remaining net basic charges must be paid in full by the due date of the following month (September for the fall semester and February for the spring semester). Students who do not pay the net basic charges in full by the September due date for the fall semester and by the February due date for the spring semester will be automatically enrolled in the payment plan.

Students in the payment plan will be billed for the remaining net basic charges in three monthly installments over the remainder of the semester. A payment plan enrollment fee (\$100 maximum) will be assessed on the September bill for the fall semester and on the February bill for the spring semester. To avoid automatic enrollment in the payment plan and the resulting enrollment fee (\$100 maximum), net basic charges must be paid in full by the September due date for the fall semester and by the February due date for the spring semester.

The payment plan is an extension of credit by TCU. Each payment plan will not exceed three months. Students enrolled in the payment plan receive a disclosure statement as required by the federal Truth in Lending Act. Disclosure statements are provided in September for the fall semester and in February for the spring semester. The disclosure

statement shows the amount included in the payment plan and the enrollment fee required for participation in the plan, which will be added to the other charges due on the student's account.

Students should review the disclosure statement upon receipt and may cancel the payment plan within 10 days by submitting written notice to TCU Student Financial Services if not satisfied with the proposed terms. If the payment plan is canceled during the cancellation period, the student's account will be credited for the enrollment fee, but full payment of the unpaid basic charges for the semester will be due immediately. If the payment plan is canceled after the cancellation period has passed the student's account will not be credited for the enrollment fee and full payment of the unpaid basic charges for the semester will be due immediately.

If the payment plan is not canceled, the student is committed to pay the total on the disclosure statement according to the payment schedule shown. (Since the disclosure statement only includes basic charges, payments should include all charges on the actual monthly billing statements.)

Cancellation of the payment plan will not release the student from financial obligation to TCU. If the payment plan is canceled either within the cancellation period or after the cancellation period, payment in full of the unpaid basic charges for the semester will be due immediately.

More detailed information about the payment plan is available from TCU Student Financial Services. The payment plan option is not available for summer sessions. All summer registration charges (tuition, fees, housing) are payable by the due date specified on the first bill received after summer registration occurs.

Late fees will be assessed on the unpaid minimum amount due for payments not received within 10 days of the stated due date.

Students receiving financial aid may participate in the payment plan option. The amount due on the billing 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).

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 diploma 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 Center services and medications, parking permits, copying charges, dining add-on charges and other miscellaneous charges are billed monthly and must be paid in full each month. Late fees will be assessed for payments not received within 10 days of the due date.

## 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 occurs on or before the 10th class day, a 75 percent tuition refund is made. A 50 percent tuition refund is made upon withdrawal on or before the 15th class day, and a 25 percent tuition refund is made if withdrawal occurs 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 fewer 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 for the reduced number of hours. A student who drops to fewer than 12 hours on or before the 10th class day receives a 75 percent refund of the difference between the flat-rate tuition for the semester and the applicable hourly tuition for the reduced number of hours. A student who drops to fewer than 12 hours on or before the 15th class day receives a 50 percent refund of the difference. A student who drops to fewer than 12 hours on or before the 20th class day receives a 25 percent refund of the difference.

For a fall or spring semester, students who withdraw from a class on or before the fifth class day may receive a 100 percent tuition refund for the class if they initially enrolled for fewer than 12 hours and remain enrolled for fewer than 12 hours at the end of the fifth class day. Withdrawal from the class on or before the 10th class day brings a 75 percent tuition refund. 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 happens on or before the 20th class day.

## Tuition Refund Plan

Undergraduates taking at least 12 hours are automatically enrolled in the Tuition Refund Plan (TRP). Cost is included in the first bill of each fall and spring semester. The plan does not cover summer sessions.

Students who do not wish to participate in TRP can opt out of the Plan by waiving coverage for the entire academic year through the online Tuition Insurance Waiver function at [my.tcu.edu](http://my.tcu.edu). Deadline for opting out is 5 p.m. on the fifth class day of each semester. The TRP charge will be removed from the student's account following completion of the online waiver process.

The plan covers tuition costs if medical problems, including mental health issues, require a student to withdraw from the University before a semester ends. Students enrolled in TRP and withdraw due to medical problems are assured, in most cases, of an 80 percent refund of tuition even after the University's refund schedule has expired.

A.W.G. Dewar, Inc., administers the plan, which complements the University's tuition refund policy. Tuition refunds due to medical withdrawals are not processed outside of the University's standard refund policy. For more information go to the Student Financial Services link under Financial Services or call A.W.G. Dewar at 617.774.1555.

## Return of Federal Financial Aid

Federal law specifies how schools must determine the amount of Title IV financial aid earned if a student withdraws from school or ceases attendance before the end of the payment period. A student who withdraws from the University on or before the 60 percent point of the payment period (summer, fall or spring) may have to return a prorated portion of the financial aid they received or that TCU received on their behalf. A Return of Title IV Funds could result in a balance due to the University. 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, Mary Wright Admission Center; 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 first-year 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 Student Financial Aid.

### International Visa Students

Refer to the section in this catalog titled International Student Admission (p. **Error! Bookmark not defined.**) (p. 10).

### Non-Discrimination Statement

TCU is committed to providing a positive learning and working environment free from discrimination and harassment. In support of this commitment, TCU prohibits discrimination and harassment on the basis of age, race, color, religion, sex, sexual orientation, gender, gender identity, gender expression, national origin, ethnic origin, disability, genetic information, covered veteran status, and any other basis protected by law. Inquiries about TCU's policies and compliance with Title IX, The Age Discrimination Act of 1975, or the aspects of TCU's equal opportunity or affirmative action programs should be directed to: OIE@tcu.edu, 817-257-8228, The Harrison, Suite 1800.

### Affirmation Statement

All applicants must agree to the following affirmation statements:

- I certify that all information submitted in the admission process -- including this application and any other supporting materials -- is my own work, factually true, and honestly presented, and that these documents will become the property of TCU and will not be returned to me. I understand that I may be subject to a range of possible disciplinary actions, including admission revocation, expulsion, or revocation of course credit, grades, and degree should the information I have certified be false.
- I agree to immediately notify TCU should there be any change to the information requested in this application, including disciplinary history.
- I understand that once my application has been submitted it may not be altered in any way; I will need to contact the institution directly if I wish to provide additional information.
- I understand that all offers of admission are conditional, pending receipt of final transcripts showing work comparable in quality to that upon which the offer was based, as well as honorable dismissal from the school.
- I affirm that I will send an enrollment deposit (or equivalent) to only one institution; sending multiple deposits (or equivalent) may result in the withdrawal of my admission offer from TCU. [Note: students may send an enrollment deposit (or equivalent) to a second institution where they have been admitted from the waitlist, provided

that they inform the first institution that they will no longer be enrolling.]

- I understand that my social media presence may be considered in addition to my application to Texas Christian University. Posts and comments viewed as derogatory, defamatory, racially insensitive, hate speech, or otherwise inappropriate may affect my admission decision.

I understand and agree that TCU may rescind its admission decision at any time before the first day of my entering term based on new information.

## 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 (p. **Error! Bookmark not defined.**) (p. 41).

The credit by examination procedures are reviewed and updated annually. A current brochure is available from the Office of Admission; current information is also available online at [admissions.tcu.edu/apply/credit/](http://admissions.tcu.edu/apply/credit/).

## 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.

## Undergraduate Student Admission

### First-year 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.

Students applying from secondary schools should 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 (optional for the high school class of 2021-2023)
- \$50 application fee
- Essay and résumé of activities
- Secondary school counselor's evaluation of applicant
- Evaluation from one teacher in a core academic subject

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 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 submit a nonrefundable enrollment deposit by May 1 (National Candidate Reply Date) to secure a place in the fall class (or by an earlier date for students admitted under a binding early decision plan).

Several factors are considered when selecting candidates for admission, including:

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.

Admission tests. Candidates may present results of the SAT or the ACT. A test administration in the February preceding the fall entry term is the final exam that will be considered. Essay, teacher evaluation and counselor evaluation. The student's essay is a significant part of the application, as are the high school counselor and teacher evaluations. If the candidate has been out of high school more than three years, the counselor evaluation requirement is waived.

Co-curricular participation. Meaningful activities outside class, including employment, community/volunteer work and leadership experiences.

College courses taken while in high school. Emphasis is on the quality of coursework completed and the grades earned. Official college transcripts must be presented to determine transferability of credit.

Special talents. Special consideration will be given to students 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;
- \$50 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, disciplinary and financial 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.

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 transfer

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.

Academic Fresh Start is an option for undergraduate students who have demonstrated better than average academic performance in recent college coursework. Only applicants who have completed academic course work ten (10) or more years prior to their intended entry term may be considered for Academic Fresh Start. Students electing to use the Academic Fresh Start policy may request forfeiture of all credits earned prior to ten years from the date of their currently intended entry term into TCU. Students must submit transcripts from all colleges attended and the Academic Fresh Start form for consideration.

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 another regionally-accredited institution 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 college-level coursework to the Office of Admission for evaluation by the appropriate university staff and/or faculty prior to their enrollment in the University. A failure to do so could prevent enrollment in the University.*

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 4 courses (maximum of 16 hours), except those earned in an approved study abroad program, may be transferred from other schools.

Some programs have certain requirements that must be met to enroll in upper-division courses. Transfer applicants who plan to study business, nursing, pre-health, strategic communication, or 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 provide:

National examination results, where such examinations are administered.

Proof of English proficiency in one of the following ways:

- TOEFL (Test of English as a Foreign Language) score of 80
- IELTS (International English Language Testing System) score of 6.5
- Duolingo English Test score of 110
- Completion of at least three years at a high school or college where English is the language of instruction
- Completion of at least 24 hours of transferable academic credit (including English composition) from a college in the U.S.
- English testing may be waived for applicants with strong SAT or ACT scores.

TCU Financial Statement and supporting financial and employment documents showing proof of availability of funds to cover all educational and living expenses. This will be submitted post admission in order to receive the I-20 immigration document from TCU.

After Admission:

An international workshop 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 meet determined standards. Results from exams such as 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.

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 emailing frogworld@tcu.edu

## 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 who 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 Services. These applicants should contact the Office of International Student Services 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 (p. **Error! Bookmark not defined.**)). 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 process. 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 Graduation Requirements (p. **Error! Bookmark not defined.**)).

## 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 Policies (p. **Error! Bookmark not defined.**)).

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 (Re-enrollment)

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 (p. **Error! Bookmark not defined.**) (p. 11) and Additional Bachelor's Degree (p. **Error! Bookmark not defined.**) (p. 42) 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. Certain principles guide the administration of the various programs in the TCU Office of Scholarships and Student Financial Aid.

- Financing a university education is a joint venture between the student, the student's family and TCU.
- Eligibility for Title IV federal financial assistance and state financial aid programs is based upon information and methodology provided by the Free Application for Federal Student Aid (FAFSA), as provided by the family. Institutionally funded grants are based on the results of the College Board's CSS Profile application.
- 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. Students who submit academic credentials at the level required for scholarship consideration will automatically be reviewed for those awards. No separate application is necessary.

Applicants for financial assistance are encouraged to submit the FAFSA no later than February 1 for fall entry and Nov. 1 for spring entry. Financial assistance files completed after March 15 or Nov. 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 provide appropriate tax information and other documentation as needed, to confirm the accuracy of the application.

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 83 percent of the current TCU student body is receiving financial assistance of some sort. Questions regarding the University's aid program may be directed to:

## Financial Aid Staff

[www.financialaid.tcu.edu](http://www.financialaid.tcu.edu)

## Financial Aid General Policies

1. Students may receive more than one TCU-funded award. However, most university-funded grants and scholarships, when combined, may not exceed the value of a full-tuition award. 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 apply to the Honors College, 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 120 TCU semester hours of undergraduate study, whichever occurs first. A ninth semester of aid is allowed for students in a program requiring more than 124 hours for a baccalaureate degree. The maximum duration of TCU-funded awards for transfer students is eight semesters, or up to bachelor degree completion, whichever comes first. The maximum duration of Transfer Chancellor's Scholarship and TCC Cornerstone Scholarship is six semesters.

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 their 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. Most 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 and Professional/Personal Development Grant.)
9. Most 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. Most designated aid is split evenly between fall and spring terms, unless otherwise specified.
11. To be eligible for most 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 12 in this catalog.
12. 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 to receive federal loans. Students not meeting this requirement may appeal (see 13).
13. 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.
14. With the exception of TCU International Summer Study programs, grant assistance is generally not available during the summer terms.
15. Graduating seniors in their last semester may register as part-time students. Aid is offered on a pro-rated basis, provided the student enrolls in at least six hours of credit.
16. Students participating in TCU-sponsored international programs are eligible for all TCU-administered aid.

## Academic Scholarships

TCU rewards academic achievement. The following list of awards is designed to recognize entering students who have excelled academically. First-year scholarships are offered on a continuing basis until funds are exhausted. Transfer student applicants must be admitted by April 15 for the fall semester and November 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.

### First-year Awards

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 first year. Thereafter, a 3.25 TCU cumulative GPA is required at the conclusion of each spring semester.
- "F" grade, "W" or "Q," "I," "AU," 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 first-year awards is eight semesters or 120 TCU semester hours, whichever occurs first.

## John V. Roach Family Endowment

Provides full housing, food and books for the top four students in the class who have been offered full tuition from another academic scholarship.

## Chancellor's Scholarship

Amount: Full tuition for up to 18 hours per semester for up to eight undergraduate semesters. Total value in excess of \$228,520.

## Trustee Scholarship

Combines with other academic awards to provide a full scholarship covering housing, food and books.

## Deans Scholarship

Amount: \$25,000 per year for up to eight undergraduate semesters. Total value up to \$100,000.

## Faculty Scholarship

Amount: \$22,000 per year for up to eight undergraduate semesters. Total value up to \$88,000.

## TCU Scholarship

Amount: \$18,000 per year for up to eight undergraduate semesters. Total value up to \$72,000.

## Founders Scholarship

Amount: \$12,000 per year for up to eight undergraduate semesters. Total value up to \$48,000.

## National Merit, National Achievement and National Hispanic Scholarships

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

Scholars must be designated as finalists by the National Merit Scholarship Corporation (National Merit or National Achievement) or the College Board (National Hispanic) and, for National Merit, officially designate TCU as their first choice. This scholarship may be awarded in addition to another TCU scholarship if the total amount of institutional merit scholarship does not exceed the cost of tuition at TCU.

## TCU Academic Achievement Award

This award is for current TCU students who were at the top of their class at the end of the first-year and were not awarded an academic scholarship upon entering the University.

## Transfer Awards

Transfer scholarships are automatically awarded when minimum requirements are met (except for Transfer Chancellor's Scholarship). Candidates must present a minimum cumulative college GPA of 3.0 and at least 12 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.

*Note: Merit Scholarships are only for new full-time students and will not be awarded to current or former TCU Students. Only one transfer scholarship is awarded per student.*

## Transfer Chancellor's Scholarship

Amount: Full tuition for up to 18 hours per semester for up to six undergraduate semesters

## Transfer Deans Scholarship

Amount: \$25,000 per year for up to eight undergraduate semesters. Total value up to \$100,000.

## Transfer Faculty Scholarship

Amount: \$22,000 per year for up to eight undergraduate semesters. Total value up to \$88,000.

## Phi Theta Kappa Alumni Scholarship

Amount: \$20,000 per year for up to eight undergraduate semesters. Total value up to \$80,000.

## Transfer TCU Scholarship

Amount: \$18,000 per year for up to eight undergraduate semesters. Total value up to \$72,000.

## Transfer Founders Scholarship

Amount \$12,000 per year for up to eight undergraduate semesters. Total value up to \$48,000.

## Sponsored Scholarships, Outside Awards

Individuals, foundations and other agencies also provide scholarships for TCU students. These are awarded by the University 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 provide funding 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 also offers talent-based scholarships. Recipients are recommended by individual department(s), and the awards may or may not be based in part on results of the FAFSA and CSS Profile.

## Athletic Scholarships

Scholarships for student-athletes are granted in accordance with NCAA and Big 12 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. Award amounts vary and are renewable subject to the recipient fulfilling performance expectations. Information:

### Dean, College of Fine Arts

Texas Christian University

TCU Box 298000

Fort Worth, TX 76129

## Band and Marching Band Scholarships

Funds are available to some members of the Horned Frog Band. The amount depends upon talent and availability of other aid. Awards are made on recommendation from the director of bands after an audition. Awards may be renewed.

## Orchestra and Choral Scholarships

Funds are available to some members of the University orchestra and choral programs. The amount depends upon talent and availability of other aid. Awards are made on recommendation from the director of the orchestra and the director of the choir after an audition. Awards may be renewed.

## Religiously Affiliated Programs

To receive aid from more than one religiously affiliated program, applicants must demonstrate financial eligibility through the FAFSA and CSS profile.

## Beasley Foundation Grants

These grants are for members of the Disciples of Christ Church and are made available through the Theodore and Beulah Beasley Foundation, Inc. Eligibility is determined by the results of the CSS Profile, academic achievement and leadership potential. Most awards range from \$1,000 to \$20,000. Consideration for renewal is based upon successful completion of at least 24 hours and a minimum TCU cumulative GPA of 2.5. The FAFSA and CSS profile must be received by February 1 for

entering first-year and transfer students for priority funding. Returning students must submit the FAFSA by May 1 for priority funding.

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

This scholarship is for entering first-year or transfer students who are Jewish. Preference is given to student applicants who demonstrate financial need as evidenced by the FAFSA and CSS profile. Amount varies.

### **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 provide one-half tuition for up to 18 hours per semester and are renewable for up to eight semesters. Minimum renewal requirements are a 2.5 TCU cumulative GPA and successful completion of at least 24 hours during the academic year.

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
- Spouses of full-time Christian Church (Disciples of Christ) ministers
- Full-time Christian Church (Disciples of Christ) ministers who wish to continue their education on a part-time basis in the undergraduate program

Awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester and is renewable for up to eight semesters. Renewal requires the student is meeting satisfactory academic progress. Applications must be received by May 1 each year.

### **Religious Leadership Grant**

Through the cooperation of the Christian Church (Disciples of Christ), TCU is able to award financial assistance, regardless of denomination, to students preparing to become ordained clergy, church musicians or directors of religious education in a full-time church congregation vocation. 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 congregation ministry. In addition, an essay from the candidate reflecting on the individual's theological development and commitment to devote his/her life to ministry 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.

Recipients of a Religious Leadership Grant must enroll in an undergraduate program leading to a baccalaureate degree from TCU. They are required to major in religion or church music.

Prior to May 1 each year, all recipients must re-certify their commitment to enter a full-time church vocation and present evidence of their progress toward that goal. The home congregation, the TCU Scholarship Committee and the Department of Religion reviews the recertification. The student must also schedule an interview with the Chair of the Department of Religion or Coordinator of Advisement to re-affirm their goal of entering into congregational ministry and articulate that goal in their renewal essay. Award decisions are based on several factors, including academic record, applicant's essay and letter of recommendation.

Awards will be in an amount not to exceed one-half tuition for up to 18 hours per semester and are renewable for up to eight semesters. Minimum renewal requirements are a 2.5 TCU cumulative GPA and successful completion of at least 24 hours during the academic year.

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. 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 \$383 to \$7,395.

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

This is a federally funded grant for undergraduate students only. The average FSEOG award at TCU is between \$2,000 to \$4,000 per academic year. All FSEOG 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.

### **Iraq and Afghanistan Service Grant**

This is a federally funded grant for students whose parent or guardian was a member of the U.S. armed forces and died as a result of performing military service in Iraq or Afghanistan after the events of 9/11. This award is up to \$6,501 for grants first disbursed on or before October 1, 2023.

### **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 \$3,772 a year for awards disbursed before October 1, 2023. Additional information regarding the TEACH Grant can be found at <https://studentaid.gov/understand-aid/types/grants/teach>.

## **Other Federal Programs**

### **Children of Fallen Heroes Scholarship**

A Pell-eligible student whose parent or guardian died in the line of duty while performing as a public safety officer is eligible to receive a maximum Pell Grant for the award year for which the determination of eligibility is made. The student must be less than 24 years of age or enrolled at an institution of higher education at the time of the parent's or guardian's death. The student is eligible for the maximum Pell Grant based on the enrollment status. Eligibility for Direct Loans and for Campus-Based program aid is based on an EFC of zero.

### **Yellow Ribbon Program**

Eligible students who receive 100% funding from Chapter 33 benefits will receive a base tuition allowance from the VA. With Yellow Ribbon funding for eligible undergraduate students, TCU will provide a grant for 50% of the remaining tuition and fee charges, and that amount will be matched by the VA.

## **State and Institutional Grant Programs**

Eligibility for the following programs is based upon receipt and evaluation of the FAFSA. In order to receive priority funding for these awards, the FAFSA must be submitted before May 1 for fall entry and Nov. 1 for spring entry. These programs are subject to the provisions stated in the section titled Financial Aid General Policies (p. **Error! Bookmark not defined.**) (p. 12) in this catalog, as well as specific program 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 and CSS Profile, as well as the strength of a student's academic credentials 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

Students with financial eligibility are considered for participation in this program. The results of the FAFSA and CSS Profile, as well as the strength of a student's academic credentials 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. 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 \$3,497 and \$5,810. TCU participates in this program and funds are limited by the allocation awarded to TCU by the state. 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
- Not be enrolled in a religious ministry degree program, whether the program is the student's sole major, additional major or minor.
- Provide results of a processed FAFSA no later than May 1 for fall and Nov. 1 for spring

### 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, 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.

### 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.

### 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 offer, 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 <https://careers.tcu.edu/frogjobs/>. Once a student finds a position in which they are interested, follow the instructions for application. Student employees are paid 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 <https://careers.tcu.edu/frogjobs/>. Once a student finds a position in which they are interested, follow the instructions for application. Student employees are paid every two weeks for actual hours worked. The University strongly encourages all employees to utilize direct deposit for paychecks. 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 Housing and Residence Life. Dates for applications are announced each spring.

### Student Loan Programs

Loans must be repaid and require the signing of a promissory note. Several types of loans are available.

#### William D. Ford Federal Direct Loan Program

The U.S. Department of Education is the lender. Three types of Direct Loans are available for undergraduates who file the FAFSA:

#### Direct Subsidized Loan

Loans are made to eligible undergraduate students who demonstrate financial need through the FAFSA. Interest rate for 2023-2024 (for loans first disbursed after July 1) is 5.50 percent. The federal government pays the interest during the period of at least half-time enrollment. Repayment begins six months after the student is no longer enrolled at least half time. Several repayment options are available.

Undergraduate students may borrow up to \$3,500 as a first-year, \$4,500 as a sophomore and \$5,500 per year for subsequent years of study to a maximum of \$23,000. The federal government will deduct an origination fee of 1.057 percent from the loan proceeds at the time of disbursement.

#### Direct Unsubsidized Loan

Loans are made to eligible undergraduates, but in this case the student does not have to demonstrate financial need. Interest rate for 2023-2024 (for loans first distributed after July 1) is 5.50 percent. Interest on the Direct Unsubsidized Loan may be paid monthly, quarterly or added to the principal. Repayment begins six months after the student is no longer enrolled at least half time. Several repayment options are available.

Dependent undergraduate students may combine the Direct Subsidized Loan with the Direct Unsubsidized Loan and borrow up to \$5,500 as a first-year, \$6,500 as a sophomore and \$7,500 per year for subsequent years of study to a maximum of \$31,000. The federal government will deduct an origination fee of 1.057 percent from the loan proceeds at the time of disbursement.

Independent undergraduate students may combine the Direct Subsidized Loan with the Direct Unsubsidized Loan and borrow up to \$9,500 as a first-year, \$10,500 as a sophomore and \$12,500 per year for subsequent years of study to a maximum of \$57,500. The federal government will deduct an origination fee of 1.057 percent from the loan proceeds at the time of disbursement.

#### Direct PLUS Loan

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. The parent must be credit approved. For 2023-



2024 (loans first disbursed after July 1) the program has a 8.05 percent fixed interest rate and a 4.228 percent origination fee, which will be deducted from the disbursement. Several repayment plans are available.

## Nursing Student Loan

TCU is the lender for eligible nursing students who demonstrate financial need through the FAFSA. Funding is limited. Loan limits are \$5,460 per year for the first two years, and \$8,588 per year for the final two years. Aggregate limit is \$26,928. This loan has a fixed interest rate of 5 percent. Repayment begins and interest begins to accrue nine months after the student is no longer enrolled at least half time. Payment is a minimum of \$35 per month over a period of up to 10 years.

## College Access Loan (CAL)

The lender is the Texas Higher Education Coordinating Board. This loan is for Texas residents who are enrolled at least half time. Financial need is not required, but applicants should submit the FAFSA. A credit-worthy co-signer may be required. Experian Vantage Score of 650 required for approval. Loan amounts are limited each year based on the state's allocated amount to TCU. Effective August 1, 2022, this program has a 5.35 percent fixed simple-interest rate. Any updates to the interest rate will be posted on hhloans.com. Interest begins accruing on the date of disbursement. Repayment begins six months after the student is no longer enrolled at least half time.

## Etta Newby Loan

TCU is the lender. This program requires Texas residency with preference given to Fort Worth high school graduates. A student must demonstrate need based on the need analysis from the FAFSA or TASFA, and applicants must have at least a 2.5 overall GPA. Loan amounts vary, with an \$8,000 aggregate limit. There is no interest charged; however, recipients are expected (not required) to contribute 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. Funds are limited.

## Direct Loan Cohort Default Rates

The U.S. Department of Education publishes cohort default rates based on the percentage of a school's borrowers who enter repayment on Direct Loan Program loans during a federal fiscal year (October 1–September 30) and default before the end of the second following fiscal year.

TCU's cohort default rate for loans that entered repayment in fiscal year 2019 was 1.5%. TCU's cohort default rate for loans that entered repayment in fiscal year 2018 was 2.7%. TCU's cohort default rate for loans that entered repayment in fiscal year 2017 was 3.4%.

## Emergency Loans

TCU has additional funds provided by friends and alumni to be used in emergency situations. These loans must be repaid within 30 days. A committee reviews each loan application.

## Other Financial Assistance Programs

### 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 \$1,000 and \$5,000.

### 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.

### M.D. Anderson Pre-Med Scholarship

Applicants must have completed Chemistry 10113, 10123, 10122 or Chemistry 10114 or 10124, and Biology 10503 and 10501, and 10513 and 10511 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

Rhode Island, 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.

## 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 first-year 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 (February 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 Satisfactory Academic Progress Policy

All students must maintain satisfactory academic progress (SAP) requirements to receive financial aid. This academic progression is measured by three components:

1. Qualitative progress - cumulative grade point average (GPA)
2. Quantitative progress - credit hours attempted versus credit hours successfully completed
3. Cumulative progress - the maximum time allowed for completing your program of study

### Qualitative Progress

The **qualitative** component is based on a student's **GPA**. Students must attain a minimum cumulative **TCU GPA of 2.00** at the end of each spring term. With the exception of some study abroad courses, grades from classes taken at another school do not affect the TCU GPA.

### Quantitative Progress

The **quantitative** component considers the number of credit hours a student successfully completed in comparison to the number of credit hours attempted. The student **must successfully complete at least 75 percent of all hours attempted at TCU during each academic year**. The academic year begins with the summer term.

- Attempted hours are based on a student's enrollment status on the 12th class day for fall and spring terms; summer attempted hours are based on the first day of each summer session. An exception to the 75 percent total is made for students who complete a minimum of 24 hours combined from the fall and spring terms.

Term	Attempted	Completed		Percent of Total	Hours
2022 Summer	6	3			
2022 Fall	15	12	Entering 3rd year	40%	48
2023 Spring	12	6	Entering 4th year	60%	72
	33	21	Entering 5th year	80%	96

64% of Attempted Classes Completed

Satisfactory Progress Not Achieved

Term	Attempted	Completed
2022 Summer	3	3
2022 Fall	15	9
2023 Spring	12	12
	30	24

80% of Attempted Classes Completed

Satisfactory Progress Achieved

- The following grades will be counted as credits completed: "A", "B", "C", "D", (+/-) and "P".
- Grades of "F", "W", "Q", "I", "NC", and "AU" are not counted as completed credits. In addition, credits earned from Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate and the College Board Achievement Tests in Foreign Languages (ACH) are not counted in the quantitative total.
- If a student successfully converts an "I" grade to "A", "B", "C", "D", (+/-) or "P" by the deadline published by the Office of the Registrar's, they can submit a written request for reevaluation to the Office of Scholarships and Financial Aid.
- Repeated classes in the quantitative total** – A student may retake a failed class until a passing grade is achieved. A student may retake a previously passed course only once for inclusion in attempted hours for financial aid. If a student repeats a course taken 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 a student's GPA.

## Cumulative Progress

The **cumulative** component consists of two pieces that relate to the maximum length of time a student may receive Federal financial aid; generally defined as 150% of the time and hours needed for completion of a four-year degree.

The first cumulative piece requires a demonstrated minimal progression toward degree completion (PACE) that will ensure graduation within the time frame allowed. PACE is calculated by dividing the cumulative hours a student successfully completed by cumulative hours attempted. Please note that PACE measures a "minimal" progression related to aid eligibility and not graduation requirements. The following chart illustrates the minimum hours needed to meet this requirement for a full-time student in a program requiring **124** hours to graduate:

	Percent of Total	Hours
Entering 3rd year	40%	50
Entering 4th year	60%	74
Entering 5th year	80%	99

The following chart illustrates the minimum hours needed to meet this requirement for a full-time student in a program requiring **120** hours to graduate:

The second cumulative piece tracks a student's completion of the total hours needed to complete the degree (maximum time frame). Most TCU undergraduate degrees require completion of either 120 or 124 credit hours in eight semesters. Therefore, 150 percent of the time required to complete most four-year degrees is either 180 or 186 hours and 12 semesters.

- Attempted hours are counted for all terms, even those for which a student does not receive financial aid, as well as those where a student receives a "Q" grade.
- Transfer credit hours that are accepted toward a student's educational program are counted as both attempted and completed hours.
- Students who change majors may request a one-time recalculation for maximum time frame.
- If a student is seeking a second degree, they may appeal the maximum hours limit by providing documentation of hours that apply to the current degree, in writing to the Office of Scholarships and Financial Aid.
- Please note: All TCU funded grants and scholarships are limited to eight semesters or 120 semester hours of undergraduate study, whichever occurs first (the transfer Chancellor's and TCC Cornerstone Scholarship are limited to six semesters total). If a student is enrolled in a program of study requiring more than 124 hours for their primary major, the student may request one additional semester of funding.

## Failure to Maintain Satisfactory Academic Progress (SAP)

Quantitative, qualitative and cumulative progress is evaluated at the end of each spring term by the Office of Scholarships and Financial Aid. If a student is not meeting SAP requirements, they will be notified, in writing.

## Appeals Procedure

If a student loses financial aid because of a failure to meet SAP, they may appeal this determination to the Academic Progress Appeals Committee (the committee). An appeal must be based on significant mitigating circumstances that seriously affected the student's academic performance. Examples of possible mitigating circumstances are serious illness, severe injury, death of a parent or sibling and other similar situations. A student may only file one appeal for each mitigating circumstance.

- If a student's appeal is approved, they will be eligible for financial aid on a probationary status for one term. The student must meet SAP standards by the end of the probationary period to continue receiving financial aid.
- Second appeals will only be reviewed for different extenuating circumstances from the first appeal approved.
- In some cases, the committee may require the creation of an established academic plan that outlines what a student must do in order to reinstate eligibility for aid. The committee will notify the student during the appeal process if an academic plan is required.
- If a student has been readmitted to the university after an academic suspension, they must file an appeal for reinstatement of financial aid.

The Academic Progress Appeals Committee meets in June, July and January to review student appeals. The deadline for each appeal meeting is posted on the financial aid website. You will be notified of the committee's decision within one week of the scheduled appeals meeting.

## Re-establishing Eligibility

If you do not file an appeal or your appeal is denied, and you are not meeting qualitative or quantitative progress components, you may reestablish eligibility for financial aid by taking the following actions:

- Raise your cumulative GPA to meet the minimum standard (2.0), and
- Successfully complete 75% of your attempted hours for the term

You may not regain financial aid eligibility by choosing not to attend TCU for a term(s), or by paying your own tuition and fees for a term(s) if the minimum requirements stated above are not met.

## **Access to Satisfactory Academic Progress Policy**

The policy for Satisfactory Academic Progress is revised and published each year by June 1. The current policy is available on the Financial Aid Home Page at [my.tcu.edu](http://my.tcu.edu) and in the Undergraduate Student Catalog at Undergraduate Satisfactory Academic Progress Policy (p.16).

# Academic Services and Support

## Academic Advising

Academic advising is an important process in which faculty and staff assist students in developing plans and clarifying career and/or advanced study goals. All students should meet with an academic advisor at least once each semester to plan future coursework. In these meetings, students and advisors 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 programs are likely to need specific help in ensuring that all degree requirements are met and assistance with the transition to a career or advanced study. In short, the specific activities required will depend on the advisor, the student and the student's progress in their academic career.

The student-advisor relationship is one of shared expectations and responsibilities. Consequently, advising will depend on the needs of the student and their academic program. Further, the actual activities involved in advising will change as the 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 advisors in Academic Advising. Academic Advising 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 a professional staff in the school/college of that major. If a student changes majors, they will be assigned to a new advisor in their new area of study for future advising.

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

### Advising Process

At the beginning of the first semester, students are assigned an academic advisor in the department of their major. Students may be assigned to either faculty or professional advisors, depending on the department or school/college. Pre-majors are advised by Academic Advising until a major is declared. Pre-major advisors 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 their academic advisor each semester depends on the advisor, the student, the student's program and their academic progress. All students should confer with their academic advisors at least once each semester during the scheduled advising period for the subsequent semester. Students may also want to meet with their advisors to discuss degree requirements, selection of a minor, internship opportunities, academic progress, etc.

Students must meet with their advisors 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 advising for the subsequent semester, 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 meeting. 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 Academic Advising Office, their advisor, Office of Campus Life and Office of the Registrar.

## Academic Advising Office

The Academic Advising flagship office offers services and programs to enhance the academic experience of all students at TCU during all stages of their academic careers. The office:

- Coordinates academic advising for pre-majors (those who have not formally declared a major and have achieved fewer than 54 hours);
- Provides academic advising for first-year students with declared majors in AddRan College of Liberal Arts;
- Coordinates academic advising for students during new student orientation;
- Provides academic resources related to study skills, time management and related concerns;
- Assists students who want to explore career paths and learn about majors;
- Provides oversight of the College 101 program for first-year students whose first semester GPA is < 2.0; and
- Refers students to appropriate services, departments and community agencies

## Student Access and Accommodation

Texas Christian University complies with the Americans with Disabilities Act, as amended, and with Section 504 of the Rehabilitation Act of 1973 regarding postsecondary 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 will provide reasonable accommodations for each eligible student who has a physical, cognitive or mental health disability/diagnosis that substantially limits a major life activity, has a record or history of such diagnosis, or is regarded as having such diagnosis.

To apply for reasonable accommodations, all students must submit an online application for accommodation through Student Access and Accommodation. Students will use their TCU username and password to access the online application. Student Access and Accommodation will confirm by email to the student's official TCU email account when the application has been successfully submitted. Once the application has been submitted, students will be prompted to submit supporting documentation based on their disability type(s) from a qualified professional that meets the University's official documentation guidelines. Each eligible student is responsible for presenting relevant, verifiable, professional documentation and/or assessment reports to Student Access and Accommodation. 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. Further documentation may be required from the student to confirm the presence of a disability or to assist the University in determining appropriate accommodations.

All accommodation requests are reviewed by the Student Access and Accommodation Documentation Review Committee (DRC). A follow up appointment will be requested once the application and documentation have been reviewed. Students will be sent an email through their TCU email account to schedule a follow up appointment to discuss the outcome of the review and any accommodations that have been approved. For approved academic disabilities-related services/accommodations, the office will prepare notification of accommodation for the student's faculty members concerning specific, reasonable academic accommodations. The student is responsible for requesting notification of accommodation each semester they would like to use their accommodations. The Notification of Accommodation Request Form is available on the Student Access and Accommodation website. Notification of accommodations will be sent via TCU email to the student and faculty after requested by the student. It is the student's responsibility to confer with faculty members regarding their accommodations in order to determine a plan for implementation. An interactive process is absolutely essential and relies on the student's initiative. Accommodations take effect once the student and faculty members receive the accommodation notification and the student conferences with each faculty member(s). For approved housing and dietary disabilities-related services/ accommodations, the office will provide accommodation notification to Housing and Residence Life and/or Fraternity and Sorority Life. Housing/dietary accommodations must be requested annually. Accommodations are NOT retroactive. Student Access and Accommodation staff are available to consult with the student and with University faculty and staff to ensure delivery of appropriate support services. The Student Access and Accommodation office serves as a liaison between the student and the faculty member as needed.

The Student Access and Accommodation office is located in The Harrison, Suite 1200, and can be reached at 817.257.6567.

Students who wish to appeal a decision regarding appropriate accommodations may do so in writing to the Chief Inclusion Officer/and or their designee, who shall decide the appeal.

## The William L. Adams Center for Writing

The Center for Writing offers assistance with writing projects and assignments to all TCU students. Staffed by professional writing instructors and peer consultants, the Center for Writing provides students with one-on-one tutorials free of charge. Conferences usually focus on a particular project or assignment but may also include general writing instruction.

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

Located in Suite 419 of Reed Hall, 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 website ([www.wrt.tcu.edu](http://www.wrt.tcu.edu)) or by calling 817.257.7221. Those who wish to submit a paper online may do so via the center's website. A consultant will read the paper and offer feedback within two working days.

## Mary Couts Burnett Library

### Overview

The Mary Couts Burnett Library is the intellectual heart of Texas Christian University, encouraging student and faculty collaboration across multiple fields and serving as the central marketplace for the acquisition of knowledge and the exchange of ideas. The library itself regularly sees more than 1,000 students at one time, for a wide range of purposes including to access books, to study (alone and in small groups), to use computers, to attend information literacy instruction sessions, to seek research assistance and to view exhibits.

### Mission

Our mission is organizing and providing access to quality information resources that inspire curiosity, creativity and innovation throughout the

TCU community, while offering exceptional services and surroundings that nurture our students.

### Services and Collections

#### Access and Hours

The Mary Couts Burnett Library during the fall and spring terms is open 24 hours, five days a week and current hours are posted on the library's website ([library.tcu.edu](http://library.tcu.edu)). TCU ID cards are needed for entry after 8:00 p.m. and before 7:00 a.m. during 24-hour operations.

#### General Collections, Access and Borrowing

Students and faculty have access to more than 2 million books, CDs, DVDs, videos and more than 140,000 electronic and print journals, housed in the campus library and offsite library annex. More than 400 databases are available 24 hours a day via the library's website ([library.tcu.edu](http://library.tcu.edu)). Use your TCU ID to borrow these items and many more such as laptops, headphones, calculators, cameras, and more. How long an item can be borrowed is shown on the Borrowing page at ([libanswers.tcu.edu/faq/103439](http://libanswers.tcu.edu/faq/103439)).

#### Special Collections

Special Collections contains the University's Digital Archives, Speaker Jim Wright Archives, Amon G. Carter Collection, the Van Cliburn International Piano Competition Archives, George T. Abel Map Collection and the William Luther Lewis Collection of English and American literature, as well as many other rare and archival materials.

#### Research Librarians

Librarians provide library and research assistance in person at the Research Services desk on the second floor, by phone, by email or online chat. Research librarians also serve as subject liaisons for all disciplines taught at the University. These librarians conduct sessions on using the library's resources and also schedule individual consultation appointments for more in-depth research assistance. In addition, they evaluate and purchase materials for the library's collections (both print & electronic) for their assigned subject areas.

#### Music/Media Library

The Music/Media library contains a large repertory of music scores, collected works, reference works and multidisciplinary sound and video recordings in a variety of formats. The W.B. "Judge" Hamilton Audio/Visual Resource Center offers viewing and listening equipment.

#### Government Information

The Mary Couts Burnett Library has been a Federal Depository Library program for over 100 years, providing access to government documents issued by the U.S. Government Publishing Office (GPO) such as the *Congressional Record*, *U.S. Congressional Serial Set*, *U.S. Census*, *Budget of the United States*, *Code of Federal Regulations*, and *Federal Register*.

#### Fab Lab

The Fab Lab is a digital fabrication laboratory available to students and faculty that offers multiple 3D printers, a high definition 3D scanner, a large-scale plotter printer, a laser cutter/engraver, a vinyl cutter, an electronics workbench, sewing machine and serger sewing machine. Additionally, the space provides access to the gaming collection and virtual reality equipment.

#### GIGA Lab

The GIGA Lab was created for students whose classes use software such as AutoCAD and ArcGIS requiring high-end computing capability. The lab also includes multimedia editing suites and 12 desktop computers.

#### Information Commons Computer Lab

The Information Commons is equipped with 100 Windows and Mac desktop computers containing the current software packages to support student learning, dozens of laptops and headphones available for checkout, black and white printing, color printing and scanning.

#### Reservable Rooms

Two-person to eight-person rooms are available by reservation 24 hours in advance by the library website ([library.tcu.edu](http://library.tcu.edu)). Most rooms have writable walls and a digital display.

#### Screening Room

A 12 seat screening room can be reserved to view video programming.

#### Graduate Student Study Spaces

There are a variety of areas accessible only to graduate students using their TCU ID, including a dedicated computing lab, open study spaces and individual study rooms assigned for the semester which provide a quiet space to complete dissertation and thesis work.

#### The Lizard Lounge

This multi-purpose space invites graduate students and faculty to come together in a more casual environment for meetings, TED talks, poetry

readings and book discussions. Graduates and Faculty can use their TCU ID for entrance and room reservations are available.

### The Sumner Academic Heritage Room

The Sumner Room highlights iconic items such as the University Mace, photos of Chancellor's Award winners, portraits of former and current Chancellors, and the University's Phi Beta Kappa charter. It also houses TCU yearbooks and faculty publications.

### Knowledge is Power Steps

These unique, centrally located stairs provide a path for students as well as amphitheater-like seating for studying, socializing and resting. The limestone steps are etched with "Knowledge is Power" in 12 languages to celebrate our international student enrollment.

The Mary Couts Burnett Library has remained at the core of the University's academic mission for 95 years, by evolving to meet the changing needs of students and faculty. Collectively, the library has enriched the TCU campus with an extraordinary building renovation, highly-talented staff, enhanced digital and print collections, and many fun-filled and informative programs.

## International Studies

### INTL 30301 Exploring Global Citizenship I

This seminar provides study abroad students with theoretical frameworks and on-site application of the competencies needed for effective and appropriate engagement with people and issues in the world. Students will use their time abroad to interact with and reflect on the local community in unique ways as they develop the skillsets of global citizenship. The course also prepares students for INTL 30302, Exploring Global Citizenship II, upon their return.

### INTL 30302 Exploring Global Citizenship II

Prerequisite: INTL 30301 or permission of instructor. This course is intended as a capstone for students to use the knowledge and skills gained during their study abroad experience as a springboard for global citizenship. The course covers regions and issues of the world, contextualizing students' first-hand experiences within historical, geographical, cultural, and religious phenomenon and exploring global realities from multiple perspectives. Special attention is placed on defining global citizenship and personal responsibility in the world, including how to take the competencies developed abroad and apply them in engagement with global issues.

### INTL 30341 Global Academy I: Exploration

1 credit hour. This seminar explores global issues from a variety of perspectives and prepares students for participation in the TCU Global Academy. A particular emphasis is placed on examining the tension between competing individual, cultural, and global forces. Solution-based approaches that address environmental, economic, and social sustainability will be explored. Topics may include health, education, clean water, social inequalities, wildlife preservation, and economic growth.

### INTL 30342 Global Academy II: Collaboration

2 credit hours. Prerequisites: INTL 30341. This seminar challenges students to synthesize and apply learning as they engage with people and issues in the world through the TCU Global Academy. The course typically involves a component abroad utilizing onsite investigation, field trips and guest lectures to provide diverse global perspectives on the given topic. A particular emphasis is placed on examining the tension between competing individual, cultural, and global forces. Solution-based approaches that address environmental, economic, and social sustainability will be explored. Topics may include health, education, clean water, social inequalities, wildlife preservation, and economic growth.

## Information Technology

Information Technology provides computing support for all levels of the University. A complete range of services include classroom technology, 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. The Information Technology administrative office is located in the Sid W. Richardson Building Room 175, 817.257.7682.

## William H. Koehler Center for Instruction, Innovation and Engagement

### Mission Statement

The Koehler Center is dedicated to facilitating ongoing, reflective discourse on instruction and learning through engagement with instructional staff, departments/units and administration. The Koehler Center strives to meet the challenges of integrating innovative instructional/learning methodologies and technologies to promote exceptional learning.

### Vision

The Koehler Center supports teaching and learning at TCU. The resources and activities of the Koehler Center are focused on responding to the present needs of instructors, as well as on keeping the TCU community informed of new educational possibilities created by the continuing development of pedagogical theories, teaching practices and technologies.

### Confidentiality Statement

The Koehler Center maintains the confidentiality of individual faculty or groups of faculty with whom we work, mindful that our faculty voluntarily engage our services in order to enhance and enrich teaching and learning at TCU.

The Koehler Center 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 Koehler Center's website at [www.cte.tcu.edu](http://www.cte.tcu.edu) or call 817.257.7434.

## University Life

Introduction to University Life (UNLF 10211) is a one-credit, graded course for students in their first semester at TCU. The course provides knowledge, skills and strategies to flourish in the academic community, and addresses fundamental questions about how to succeed as a college learner through goal-setting, understanding resources, managing stress, self-care, critical and reflective thinking, diversity and inclusion, and academic and personal integrity, among other topics. Each section of the course is led by an instructor and a student Peer Guide.

## IdeaFactory

The TCU IdeaFactory is a unit in the Neeley School of Business dedicated to supporting the innovative spirit of all TCU students, staff and faculty by providing an environment where they use human centered design and systems thinking to become social innovators and change agents.

# Student Affairs Services

## Division of Student Affairs

The Division of Student Affairs at TCU provides student programs and services that support student success and enhance the collegiate 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 and civic engagement, understanding our rich, diverse society, accepting responsibility and developing opportunities for critical thinking and application of classroom learning.

The Division of Student Affairs provides services central to a quality student career, including residential services, health services, leadership and recreation services, career services, dining services, parking services and public safety.

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

- Business Operations
- Campus Police (Security, Crime Prevention and Parking)
- Center for Career and Professional Development
- Dean of Students (Educational Discipline, Crisis Response, Code of Student Conduct, Student Handbook)
- Emergency Planning and Management
- Fraternity & Sorority Life
- Health Services (Health Center, Counseling Center Psychological Services, Health Education, Substance Use and Recovery Services)
- International Student Services (Pre-Arrival Services, Immigration, Orientation, Programming and Adjustment Issues, Working on Campus Assistance)
- Leadership and Student Involvement (Student Success, First Year Experience, Transfers, Parent & Family Programs, Student Orgs)
- Religious and Spiritual Life
- Residential Services (Housing and Residence Life, Dining Services)
- Student Affairs Information Services (Identification Card Center, Card Access)
- Student Identity and Success (Gender Resource Center, Intercultural Center, Community Scholars)
- Student Veteran Services
- University Recreation Center (Intramurals/Sports Clubs, Outdoor Programs, Fitness, Wellness, Aquatics)

## Brown-Lupton University Union

The Brown-Lupton University Union (BLUU) is at the heart of the Campus Commons. Entertainment, educational and conference events take place in the Union throughout the year. The BLUU is home to 14 meeting rooms, the Horned Frog Ballroom, a 300-seat auditorium, the TCU Post Office, the ID Center, the Spirit Store and food service venues—Market Square, Chick-fil-A @ 1873 and Union Grounds Coffee Shop. The BLUU also houses the Heritage Center, the Intercultural Center, Leadership & Student Involvement, the Chancellor's Dining Room and the Governance Chamber. The Information Desk, located within the Heritage Center, offers notary service, a campus printing station, lost and found and other support functions. For more information, call 817.257.7927.

The King Family Commons, located near the Worth Hills residential area, offers students and other University community members a place to relax, eat and study with inside and outside seating. Second-floor conference rooms may be used by student organizations meetings. Four food venues provide for invigorating dining - The Press, a coffee shop featuring panini sandwiches; O'Brien's, a hamburger and grilled sandwich shop; Caliente, a fresh Mexican food stand; and Magnolia's bistro featuring allergen-free food for seven of the most common food allergies. The King Family Commons building also houses the office of Fraternity and Sorority Life. The information desk hosts a print station. For information, call 817.257.4021.

## Fraternity and Sorority Life

Five governing councils represent over 40 fraternities and sororities at TCU: 12 Panhellenic sororities with a thirteenth group joining this council during the Fall 2023 semester, 13 Interfraternity Council fraternities, including Beta Upsilon Chi (a Christian fraternity), six National Pan-Hellenic Council fraternities and sororities, eight Multicultural Greek Council fraternities and sororities, and 4 fraternities and sororities in the Independent Greek Council, one Christian sorority, one music fraternity and a music sorority.

Each council has its own recruitment/intake procedures. Additional information may be found at [www.greeks.tcu.edu](http://www.greeks.tcu.edu) or by calling 817.257.7281. In addition, Fraternity and Sorority Life hosts a session during Academic Orientation to provide information about joining the community and what to expect as a result of membership in a fraternal organization.

## Dean of Students Office

The Dean of Students Office staff meets with students to assist in resolving any issues that might impede success during the TCU experience. Staff members in the Dean of Students Office assist with emergencies by working with students and their families, and they also liaison with faculty to help students with academic concerns. A "dean on call" is available by calling Campus Police (817.257.7777) if an emergency occurs after 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 the faculty member involved when class is missed due to illness.

The Dean of Students Office is located in The Harrison, Suite 1600 and can be reached at 817.257.7926.

## Educational Conduct Process

TCU Students should conduct themselves in a manner compatible with the University's function as an educational institution and the TCU mission statement. Each student is expected to be acquainted with 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 off campus and online conduct which in TCU's judgment, involves or adversely affects TCU members of the University Community and/or the pursuit of its objectives or substantially affects TCU's interests. 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 Dean of Students Office. Violations of the code are subject to a range of outcomes.

The Code of Student Conduct, including the academic conduct process, is at [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu).

The following are examples of conduct that is prohibited and subject to the outcomes outlined in section 5.8 of the Code of Conduct. This list includes, 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, dangerous devices or substances.
5. Tampering with safety equipment and arson.
6. Dishonest conduct.
7. Theft/unauthorized use of property.
8. Unauthorized or abusive use of technology, computer equipment, programs or data, or resources.
9. Failure to comply with University authority.
10. The use, production, distribution, sale or contrary to University policy or prohibited under federal and/or Texas law. (See [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu) for details.)
11. The use, production, distribution, sale or possession being under the influence of, or driving under the influence of drugs, including cannabis in any form, and/or prescription drugs in a manner prohibited under federal and/or Texas. (See [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu) for details.)
12. Unauthorized entrance to or presence in or on University premises.
13. Disorderly and/or disruptive conduct that substantially undermines or interferes with the University's mission.
14. Violation of any federal, state or local law.
15. Violation of any University rules or regulations.
16. Violation of the University's Prohibited Discrimination, Harassment, Sexual Misconduct, and Retaliation Policy (See [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu) for more details).
17. Use of tobacco or nicotine products and/or tobacco or nicotine paraphernalia.
18. Abuse of the University conduct system.
19. Activities that jeopardize building security for any member of the University community.
20. Behaviors that endanger or interfere with the well-being of any member of the University community in University facilities.
21. Causing excessive noise, or violating the University's housing visitation policy.
22. Acts that harm or otherwise negatively affect the appearance or structure of University facility exteriors, interiors or furnishings by failing to exercise reasonable care or in specific acts of vandalism.
23. Any act that violates the academic integrity of the institution (See [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu).)

## Substance Use & Recovery Services

Located in the Counseling and Mental Health Center, the TCU Substance Use & Recovery Services (SURS) office is based on a philosophy of student development and seeks to promote healthy lifestyle choices and responsible decision-making through programs, training and alternative activities.

The goals of SURS:

- Enhance the academic mission of the University by providing preventive programs to help ensure that the abuse of alcohol and other substances do not interfere with academic goal attainment.
- Collaborate with other departments in Student Affairs, Athletics and Academic Affairs to provide opportunities for students to positively influence the campus community.
- Enhance student responsibility to self, others and the world by assisting individuals in making responsible and ethical decisions regarding alcohol and other substances.
- Provide support for students in recovery and seeking recovery from substance use disorders by providing a genuine and thriving college experience through the Collegiate Recovery Community.
- Monitor the effectiveness of Substance Use & Recovery programs on campus, and help establish University-wide educational initiatives.

The SURS staff include licensed counselors and graduate assistants who provide individual intervention and recovery support as well as educational presentations at the request of student organizations,

residence halls, fraternity and sorority groups, athletic teams and academic classes.

Students should refer to the University's alcohol and drug policy in the Student Handbook regarding procedures and consequences of violation of policy.

Those interested in services through the SURS Office are encouraged to stop by the office on the second level of Jarvis Hall, visit the website at [www.surs.tcu.edu](http://www.surs.tcu.edu) or call 817.257.7100.

## Health Center

The Brown-Lupton Health Center is located just north of the University Union. This AAAHC - accredited facility is staffed by board-certified physicians, physician assistants, nursing staff of LVNs and RNs. The Health Center provides ambulatory medical and psychiatric care for the various needs of TCU students. Appointments must be scheduled in advance. During the academic year, hours are 8 a.m.-5 p.m. Monday through Friday with medical appointments starting at 9:00 am.

The TCU Pharmacy, an independently owned pharmacy offering competitively priced prescriptions and over-the-counter medications, is conveniently located within the Health Center. The pharmacy accepts most insurance plans. Co-pays and medication costs can be billed to the student's University account or paid for by credit card, cash or check at the time the prescription is filled.

## Required Vaccines

All students must comply with the university's health requirements before registering for classes. These include the following;

- Meningitis ACWY – one dose given within the last five years
- MMR (Measles, Mumps and Rubella) – Two doses

Both dates and records must be submitted on the TCU Student Health Portal. Students must **enter the dates** of the vaccinations and **upload** supporting documents.

Immunization records will be accepted from the following:

- Documentation bearing the signature of a licensed healthcare provider,
- Official immunization record generated from a state or local health authority, <http://healthcenter.tcu.edu/>
- Official record received from school officials

## Exemptions

- Students over the age of 22 are exempt from the Meningitis requirement.
- Students born before 1957 are exempt from the MMR requirement.
- Students with immunity to Measles and Mumps may submit their results proving their immunity in the absence of vaccination records.
- Students with a medical contraindicated requirement with the TCU Vaccination Exemption Form (available at <http://healthcenter.tcu.edu/>) and corresponding documents from your healthcare provider.
- Students with a reason of conscience affidavit must submit a copy of their affidavit online and **must deliver the original to the health center** by mail or in person to the TCU vaccination Exemption Form.
- Veteran and active duty military are exempt from the MMR requirement.

## Medical History

- Student must submit a Medical History form on the TCU Student Health Portal.

## 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 United Healthcare Student Health Insurance 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 is a major medical policy that provides benefits both on and off campus throughout the U.S. Detailed information about



the University-offered plan can be found on the Health Center's website under insurance.

If coverage comparable to the TCU Plan is provided by a family/individual plan, the University-offered insurance may be waived online once the student has registered for classes. A waiver entered by the fall semester's deadline 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 United Healthcare student health insurance. For students entering in the spring semester, a waiver must be entered online prior to the spring semester's deadline. Deadlines and other information to elect or waive are emailed.

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. The student plan is not available to TCU employees, even if they are taking classes. To specifically enroll in the University-offered plan, the "elect" choice must be entered online prior to the semester's deadline for electing or waiving.

## Counseling and Mental Health Center

Our mission is to provide quality treatment and recovery services that contributes to the academic success and personal growth of TCU students. Licensed mental health professionals provide a variety of goal-directed, confidential, evidence-based interventions that help students cope with mental health concerns, and grow in self-confidence. The Counseling and Mental Health Center provides:

- Daily Drop-in Appointments for first-time visits
- Peer Support Communities to address common student concerns
- Goal-oriented individual and group therapy
- 24/7 Phone Counseling Helpline (817) 257-7233
- Crisis Intervention and Response
- Equine Assisted Group Therapy (nearby campus)
- Campus Intensive Outpatient Programs for behavioral health and substance use concerns.
- Referral Assistance Services to off-campus providers for longer-term, or specialty care needs
- Consultation for those concerned about the welfare of a student
- Educational programs for students, faculty, and staff on mental health and sexual assault prevention and stigma reduction

The Counseling and Mental Health Center is located on the second floor of Jarvis Hall. Hours during the academic year are Monday, Tuesday and Wednesday 8 a.m.-8 p.m. and Thursday and Friday 8 a.m.-5 p.m. Summer hours are 8:00 a.m.-5:00 p.m. To eliminate waiting for a first appointment, all first-time visits are 30-minute scheduled phone sessions, which are offered every day 10 a.m.-11:30 a.m. and 1-3 p.m. If your schedule does not allow these hours, call the office to arrange a first appointment. See [counseling.tcu.edu](http://counseling.tcu.edu) for more information.

## Campus Recreation & Wellness Promotion

The Department of Campus Recreation & Wellness Promotion encourages lifelong wellness through holistic education and quality recreation and wellness programs, services and facilities that enhance the university experience through participation and leadership. It is the vision of the department to be a cornerstone of the University experience that positively engages every member of the TCU community in promoting healthy lifestyles.

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 Wellness Education office offers primary prevention programming through collaboration with the University community. Programs and services provided include suicide prevention, sleep hygiene instruction, stress management workshops and healthy relationship training. Peer educators aid in the delivery of information.

The Aquatics Program offers instructional and fitness activities in the water, in addition to recreational swimming. Three pools grace the University Recreation Center: a 25-yard lap pool, a 22-foot-deep diving well and an outdoor leisure pool and patio.

Structured, competitive and recreational sporting events are scheduled throughout the academic year in the Intramural Sports Program. 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, the Fitness Program offers personal training, massage therapy and fitness assessments. Group exercise classes are designed for beginner, intermediate and advanced levels.

The Climbing Wall is sure to provide an exciting outlet, whether you are entirely new to climbing, have been climbing for years, or are just looking for a challenging addition to your workout regime. We offer instruction and supervision on the 30-foot wall, with more than 20 top rope routes and a variety of bouldering routes. All climbing equipment, including shoes, harnesses, ATCs and carabineers, are available at the wall for free.

The Sport Clubs 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

TCU faculty and staff must purchase membership to have access to the University Recreation Center. Cost is \$120 for an annual membership and may be paid through payroll deduction. Memberships are also available for purchase for spouse/partners, dependents and children of Faculty/Staff. For more information about any of the programs offered by the Department of Campus Recreation call 817.257.PLAY.

## Center for Career and Professional Development

### Career Exploration and Job Search Advising

The Center for Career and Professional Development plays a crucial role in preparing students for life after college and in helping alumni through career transitions. From exploring possible fields to preparing for interviews, landing internships or launching a career, the career center is a partner in today's competitive job market. The following are just a few of the services available at no charge to students and alumni.

- Career assessments
- Individual and career advising
- Resume and cover letter assistance
- Interview coaching and practice
- Job search assistance
- Job and internship listings on FrogJobs by Handshake
- On-campus interviewing
- Professional events and career fairs
- [www.careers.tcu.edu](http://www.careers.tcu.edu), provides access to career planning tools, Intern Scholarship Program information, and additional resources to support student and alumni career development.

The BNSF Railway Career Center is located in The Harrison, First Floor and is open 8 a.m.-5 p.m. Monday-Friday. The Alcon Career Center, for Neeley School of Business students, is in Sumner Hal 2211, same hours.

Students and alumni may schedule personalized advising appointments via Handshake; <https://tcu.joinhandshake.com> call 817.257.2222 or email [careers@tcu.edu](mailto:careers@tcu.edu).

## Student Identity and Engagement

Student Identity and Engagement (SIE) is the catalyst in providing diverse and engaging co-curricular experiences that help facilitate students educational and cultural endeavors. Through the development

and facilitation of cultural programs, identity workshops, leadership workshops, and leadership opportunities. SIE enhances multicultural competencies, individual identity, and campus community engagement.

## Gender Resource Office

The mission of the Gender Resource Office (GRO) is to support gender and LGBTQIA+ identities through education, advocacy and social engagement. GRO promotes inclusion and understanding around issues of gender and sexual identity.

For more information visit our website:

<https://diversity.tcu.edu/gro/>

You can also reach us by email at [gro@tcu.edu](mailto:gro@tcu.edu) or by phone - 817-257-4820.

## Intercultural Center

The Intercultural Center serves as a space to support the exploration of students' intersecting identities through co-curricular programming, community building, and innovative engagement of the narratives and cultural experiences students bring to TCU. Furthermore, the Intercultural Center promotes values of:

- Intellectual and Social Inclusion;
- Empowerment through Social Justice and Advocacy;
- Intersectionality;
- Civic and Global Engagement; and
- Transformation through Experiential Learning

Students are encouraged to visit the Intercultural Center for a sense of community and belonging. For further information, call (817) 257-5557

## International Services

Located within the Division of Student Affairs, TCU's International Services Office supports the university's 700+ international students and scholars from over 90 countries. Specialized in immigration compliance, cultural transition, institutional compliance, student advising and programming, the International Services Office is one of the primary offices tasked with advancing the university's DEI efforts, as well as its mission "to advocate for an interconnected world characterized by diversity, equity, and inclusion for all through international education, fostering global citizenship, holistic advising, and collaborative programming to create responsible, ethical global leaders."

Located in the new TCU Intercultural Center, the International Services Office creates impactful educational engagements between the international community, the university, and an inclusive spectrum of the global community by taking an intentional approach to international students' needs through signature programs that focus on the following 4 support areas: Orientation and Adjustment, Immigration Support, Professional and Career Support, and Social and Cultural Exchange.

## Student Success Center

The Student Success team supports students through various initiatives to holistically increase success and persistence through their time at TCU.

Student Success team members collaborate across campus to perform research, create and maintain data, develop efforts on campus, examine policies and procedures and provide one-on-one support to students through Student Success Coaching, the Advance Registration Campaign, Peer2Peer Tutoring program, providing peer tutoring certified by the College Reading and Learning Association in various subjects identified as having the highest rates of drop, withdrawal and/or failure by TCU students.

## New Student and Family Programs

The New Student and Family Programs team focuses on the transition from high school to college and connects students and their families to campus resources, academic life and the TCU community through Orientation, transfer student services, and parent and family programs.

Orientation is designed to assist incoming students and their families with the transition to university life by providing essential information and helping students meet new and continuing students, faculty and staff.

Transfer students are served by providing resources, programs and student mentors to help with a successful transition into TCU. Additionally, the Transfer Connection Space in the Tom Brown Pete Wright Apartment Commons allows transfer and veterans to enjoy student space, programs and computer/printer access.

Parent and Family Programs benefit parents and guardians in numerous ways such as assisting parents in the transitional experiences related to beginning college, providing resources and information to keep parents informed about and involved with the University, and creating a partnership between families and the University.

The TCU Parent & Family Council is comprised of families that meet on campus twice annually to discuss issues surrounding academic and co-curricular activities at TCU. In addition to receiving information, the parents provide feedback to administrators, serve as ambassadors to parents within their own communities and assist with University initiatives.

The TCU Parents Association is open to parents and guardians of all TCU students. It acts as a resource to inform, connect, engage, and empower parents to support the successful development of all TCU students and to affirm the mission of the University. Parents are encouraged to join the parent-run Parents Association either through a donation or by getting involved. Information about these programs and other resources may be found at <https://studentsuccess.tcu.edu/parent-family/>.

## Student Veteran Services

Veterans Services is committed to supporting military affiliated students as they transition to campus life and assist in their progress toward completing their academic degree.

Veterans Services serves as a liaison to various university services for information regarding academic advising, counseling, disability accommodations, veteran programming, benefit information, financial aid, and facilitates referrals to state and federal resources and services.

The Veteran Resources Center supports engagement, community building and provides resource information to military affiliated students.

## Office of Religious and Spiritual Life

The Office of Religious and Spiritual Life (RSL) offers resources, programs and staff dedicated to supporting faith communities, religious expression and spiritual exploration. The University is affiliated with the Christian Church (Disciples of Christ), a denomination that values "true community, deep spirituality and a passion for justice". To that end, RSL is committed to respecting the dignity and beliefs of every individual, celebrating diversity and welcoming all of God's people. RSL supports a vibrant religious life and serves students' spiritual needs while creating opportunities for reflection and learning.

Located on the first floor of Jarvis Hall, RSL is home to staff offices, and our a multi-faith prayer and meditation room. Also, as a long-standing part of TCU, Robert Carr Chapel is open daily for prayer and personal reflection, and is available by reservation for worship, concerts, events, ceremonies, weddings and other important occasions. In addition to TCU's chaplains who serve the entire campus, students will also find a variety of campus ministers and religious life partners who offer support, connection and spiritual care out of their own tradition.

## Spiritual Care & Wellness

The chaplaincy team provides for the spiritual needs of students, faculty and staff through compassionate spiritual care that respects the beliefs of each person. We meet individuals where they are, providing a welcoming and safe space to discuss any number of life's transitions, to offer a listening and empathetic ear, and to assist in working through challenges. Chaplains also assist with spiritual care in times of trauma, crisis grief and loss, working with individuals and groups around the spiritual questions that arise during these critical times. Our chaplains also officiate at official university functions and at key times in our individual and communal lives. Students may also participate every weekday from 12:00-1:00pm in our Connected Spirit programming where they can cultivate a deeper and more meaningful relationship

with their Higher Power, our chaplains, our religious organizations, and our local external faith communities.

## Student Religious Organizations

RSL provides advising and other resources for 22 religious organizations on our main campus and at the School of Medicine. The organizations provide opportunities for worship, study, service and are open to all students. Campus ministers, advisers and student leaders grow and share experiences through the Campus Ministry Staff Council, the Student Leadership Council, and the Religious Advisory Council.

## Religious Organizations Within RSL

- Baptist Student Ministry
- TCU Catholic
- Disciples on Campus
- TCU Wesley
- Reformed University Fellowship
- Brothers Under Christ (BYX)
- Calling in Action
- Chi Alpha (Assemblies of God)
- Delight
- TCU Exodus Retreat
- Fellowship of Christian Athletes
- TCU Hillel
- International Christian Fellowship
- Muslim Student Association
- Phi Lambda Sigma
- Student Mobilization
- Word of Truth Gospel Choir
- Young Life
- SAICA (South Asian Inter-Cultural Association)
- Christian Medical Association
- Muslim Medical Association
- Jewish Medical Association

## TCU Interfaith Initiative and Better Together

The Interfaith Initiative gathers students across faith traditions to celebrate their individual beliefs, learn about one another and work together to change the world through leadership, learning, service and dialogue. Students get connected through on-campus interfaith programming, exploring interfaith movements off campus through site visits, and gaining leadership experience through the Interfaith Internships.

## Purpose, Meaning & Belonging

The RSL Office at TCU encourages the campus community to better understand what we believe and why we believe it. We do this by helping students explore how their beliefs and values inform their sense of purpose, meaning and belonging. To accomplish that you'll find us facilitating discussions in classrooms, helping connect with organizations on campus, and hosting creative events around campus. This empowers our students, faculty & staff to celebrate our diverse beliefs that infuse the campus and encourages us to come together as one community around our shared values. Students may also choose to join one of Spiritual Communities that cover a variety of topics and identities.

## Office of Church Relations and Disciples on Campus

The Office of Church Relations, which is a part of RSL, supports the University's relationship with its partner denomination -the Christian Church (Disciples of Christ). This is done partly through campus programs such as Ministers Week, CYF Day and other denominational events. Disciples on Campus serves as the student outreach and campus ministry for Disciples undergraduates and others, inviting them to continue their spiritual journey through worship, studies, and life-giving social opportunities.

## Robert Carr Chapel

Since 1953, Robert Carr Chapel has been a space for the student and campus community, whether for worship, concerts, honor inductions, prayer groups or other activities. Recently renovated, the chapel is also open for prayer and reflection daily when not in use for events. To reserve the chapel for a group or special event contact chapel@tcu.edu or visit us in Jarvis Hall on the first floor.

### Other Opportunities Include

Worship at Robert Carr Chapel Individual and Group Pastoral Care Spiritual Wellness Workshops, Crossroads Lecture Series on Faith and Public Life, Advent and Lenten Devotionals, Book Groups and Multiple Spaces for Meditation and Reflection

Contact us:

www.faith.tcu.edu

faith@tcu.edu

817-257-7830, 1st floor of Jarvis.

## Housing and Residence Life

Living in a residence hall is a vital part of being a Horned Frog. This is the time and place that you meet people from all over the world, develop lifelong friendships and get involved in a variety of activities. You will see yourself in a different light as you undergo personal and intellectual growth and engage in a community developed for your success. Residence halls are conveniently located throughout campus to give ample opportunity to hang out with friends, attend a concert or study!

About half of the undergraduates at TCU live on campus. Through academic, cultural, intramural and social activities, students in each hall determine the hall's identity. Participation in these activities assists in the student's adjustment and development in a residential setting.

Residence hall rooms for first year students are designed for as double occupancy; however, some rooms will accommodate three students. All of the residence halls are air-conditioned, non-smoking facilities. A standard room contains a bed, a desk and chair, a chest and a closet or wardrobe unit for each student. We want your space to be your home away from home, so we encourage you to add decorative items to personalize it.

Residence hall staff are a primary resource. The hall director, a full-time live-in professional supervises the RA staff. Each hall has student staff who are sensitive to student needs and alert to student concerns. Hall staff know the many University resources and can help students find needed assistance.

Residence hall communities 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, educational and cultural programs, physical activities, career information, study skills, personal management skills, spiritual involvement and self-help aids. Hall staff focus on creating a caring community designed to meet the distinctive needs and interests of the student population. Student involvement enhances the creation of a distinctive hall environment.

## Residency Requirement

All entering students are required to live on campus or in other TCU authorized housing for their first two years after high school graduation, 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/or have dependent children living in their home.
- Students who will continue to live in Fort Worth or within 30 miles from campus with their parents or legal guardian.
- Veterans.
- Part-time (fewer than nine credit hours).

Students enrolled for less than nine credit hours may live in a residence hall only with special permission from the Office of Housing and Residence Life. The Campus Housing License applies to the entire academic year. Students under 17 or over 25 are housed by special permission only on a space-available basis. Housing for incoming

transfer students cannot be guaranteed; however, every effort will be made to accommodate as many as possible.

## Housing Preferences

The right to make re-assignments is reserved by the University. The University makes room assignments without regard to age, race, color, religion, sexual orientation, national origin, ethnic origin, disability, covered veteran status, and any other bases protected by law.

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

## Dining Services

Eating on-campus is easy with the TCU dining plans. Market Square is an all-you-care-to-eat facility in the Brown Lupton University Union (BLUU). The King Family Commons Building (KFCB), Bistro Burnett in the library and the Kinder Café in the Neeley School of Business provides meals and snacks throughout the day. Students also enjoy eating at the Chick-Fil-A, and Union Grounds on the first floor of the Brown Lupton University Union. For details about the dining plans, visit [www.housing@tcu.edu](http://www.housing@tcu.edu) or [www.tcusodexomyway.com](http://www.tcusodexomyway.com).

## King Family Commons

The King Family Commons Building is located on Stadium Drive and Bellaire Drive in the Worth Hills area of campus. With four dining locations, students have the flexibility to use cash, credit card, Campus Cash or Frog Bucks to grab a cup of coffee at The Press, a burger and fries at O'Brien's Grill, build a burrito bowl at Caliente or get a fresh meal free of seven of the top eight allergens Magnolia's Zero7. For students seeking a different location to lounge or study, King Family Commons offers some creative seating for these activities as well. The building is open daily from 7 a.m. to 11 p.m. (hours vary at each dining location).

## Additional Campus Dining

- Union Grounds — located in the Brown-Lupton University Union
- Shake Smart—located in the Campus Recreation Center
- Bistro Burnett — located in the library
- Kinder Cafe'— located in Tandy Building
- A La Carte — located in the Bass Building

### Campus Cash

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

### Frog Bucks

Designed to give students flexibility, Frog Bucks can be used for on-or off-campus dining. Unused Frog Bucks that come with the dining plan 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 [my.tcu.edu](http://my.tcu.edu). All Frog Bucks added to the base meal plan are refundable.

### Special Dietary Needs

Market Square offers a variety of vegan, vegetarian and gluten-free options at every meal. The nutrition counselor, a registered dietitian, will meet with students who have dietary concerns to discuss menu options. If you need assistance with dietary accommodations, contact the Center for Academic Services at (817) 257-6567.

Connect with us:

- [www.tcutdiningservices.com](http://www.tcutdiningservices.com) – keeps you informed of special events and limited time offers; enables buying items online
- [www.instagram.com/tcu\\_dining](http://www.instagram.com/tcu_dining) and [www.facebook.com/tcu\\_dining](http://www.facebook.com/tcu_dining) keep you in the know about dining events

## Campus ID Card

The TCU ID card is a student's access key to many University resources. Students can use their ID cards to access dining funds, residence halls and athletic events. ID cards may also be used to charge concessions at athletic events, items from vending machines, purchases at the bookstore, photocopies in the library and Frog Prints Printing Services, and computer printouts from the Information Commons and other public computers across campus. It is also used to verify identity if

requested by a TCU official. The card is active as long as a student is enrolled. Most students ID card will remain active over the summer as long as they were enrolled in the previous spring semester and have already enrolled in the upcoming fall semester. It will only need to be replaced if lost or stolen. We do not require students to purchase a new card each year. Card-holders may replace lost or damaged cards at the ID Center during normal business hours. TCU police can print a replacement ID after hours or on weekends. There is a replacement charge of \$20 for a lost or stolen card.

Card owners are responsible for reporting lost or stolen cards promptly to ensure that no one else uses your card. Card owners can deactivate a lost or stolen card online several ways:

- 1) Sign into the TCU mobile app. Click on frog Bucks/Quick Links/I Lost My Card
- 2) Log into [my.tcu.edu](http://my.tcu.edu), click on Helpful Links/Frog Bucks/Quick Links/I Lost My Card
- 3) During business hours, call the ID Center at 817-257-7856
- 4) Outside of business hours call the TCU Police at 817-257-7777

Students can reactivate a found card using any of the above methods.

***Until a card is reported lost or stolen you are responsible for any card purchases.***

The ID card remains the property of TCU at all times, and funds and privileges attached to the card are non-transferable. 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 shown upon request of any University official.

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 email [IDCenter@tcu.edu](mailto:IDCenter@tcu.edu).

## Leadership & Student Involvement

Leadership & Student Involvement maximizes students' potential through individual and community development. LSI houses the First Year Experience, University Unions, Student Activities, Student Organization, Student Government Association, Leadership & Experiential Learning, and Service Learning & Academic Initiatives. Visit [www.lsi.tcu.edu](http://www.lsi.tcu.edu) or BLUU 2003 for more information.

## First Year Experience

The First-Year Experience is designed to help students prepare for the transition from high school to college. We strive to support all first-year students by creating innovative and engaging ways to connect students to resources and develop their sense of belonging to enhance the TCU student experience. First Year Experience signature programs are Frog Camp, Frogs First, and the First-Year Emerging Leaders Institute.

- Frog Camp 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. Along with upper-division students and members of the faculty or staff, Frog Campers find out what it means to be a Horned Frog, and along the way, they forge lasting bonds and friendships.
- Frogs First is a series of programs/events that serves as the campus welcome for new students. Frogs First is composed of Chancellor's Assembly, Need 2 Know and a student organizations fair where students can learn more about how to get involved with the clubs and organizations on campus. Students will be led through this experience with a Frogs First Leader.
- The First Year Emerging Leaders Institute provides first-year students the opportunity to explore and develop their leadership identities and create an action plan for leadership and involvement while at TCU.

## Student Success Center

The Student Success Center at TCU includes the departments of New Student and Family Programs and Student Success. Visit [www.studentsuccess.tcu.edu](http://www.studentsuccess.tcu.edu) or Samuelson Hall, Suite 001 for more information.

## Student Success

The Student Success team supports students through various initiatives to holistically increase success and persistence through their time at TCU.

Student Success team members collaborate across campus to perform research, create and maintain data, develop efforts on campus, examine policies and procedures and provide one-on-one support to students through Student Success Coaching, the Advance Registration Campaign, Peer2Peer Tutoring, exit surveys and interviews, and programming designed specifically to increase and recognize student success. Through a collaboration with Academic Affairs, the Student Success team houses and manages the Peer2Peer Tutoring program, providing peer tutoring certified by the College Reading and Learning Association in various subjects identified as having the highest rates of drop, withdrawal and/or failure by TCU students.

## New Student and Family Programs

The New Student and Family Programs team focuses on the transition from high school to college and connects students and their families to campus resources, academic life and the TCU community through Orientation, student transfer services, and parent and family programs.

Orientation is designed to assist incoming students and their families with the transition to university life by providing essential information and helping students meet new and continuing students, faculty and staff.

Transfer students are served by providing resources, programs and students mentors to help with a successful transition into TCU. Additionally, the Transfer Connection Space in the Tom Brown Pete Wright Apartment Commons allows transfers and veterans to enjoy students space, programs and computer/printer access.

Parent and Family Programs benefit parents and guardians in numerous ways such as assisting parents in the transitional experiences related to beginning college, providing resources and information to keep parents informed about and involved with the University, and creating a partnership between families and the University.

The TCU Parent Council is comprised of families that meet on campus twice annually to discuss issues surrounding academic and co-curricular activities at TCU. In addition to receiving information the parents provide feedback to administrators, serve as ambassadors to parents within their own communities and assist with University initiatives. Information about these programs and other resources may be found at <https://studentsuccess.tcu.edu/parent-family/>.

## TCU Public Safety

The mission of TCU is to educate individuals to think and act as ethical leaders and responsible global citizens in a global society. Critical to teaching and learning is the safety and security of our campus community. TCU Public Safety, comprised of the TCU Police Department, Office of Emergency Management, Parking and Transportation, are collectively responsible for developing services, programs and strategies for maintaining a safe campus.

### Police Department

The TCU Police Department (TCUPD) is committed to providing a safe learning environment for students, faculty, staff and visitors to the campus, through the mutual respect and shared responsibility of community policing. The authority of the State of Texas and TCU's Board of Trustees commission our police officers. TCU Police and civilian security guards, are in service 24 hours a day, seven days a week, and the TCU Police dispatcher can be contacted at 817.257.7777. The office is located at 3025 Lubbock Ave.

The TCUPD maintains a social media Twitter, Facebook and Instagram account, posts a daily crime log, and produces an Annual Security and Fire Safety Report. The crime log and annual report may be found on the TCU Police website ([www.police.tcu.edu](http://www.police.tcu.edu)) and are also available at the TCU Police Department.

All firearms and dangerous weapons are prohibited on campus. TCU has complied with the statutory requirements of Section 411.2031 of the Texas Government Code and the TCU Board of Trustees, voted to prohibit license holders from carrying concealed handguns on any campus grounds or building on which an activity sponsored by TCU is being conducted, and in any passenger transportation vehicle owned by TCU.

The only exceptions are that students, faculty and staff may bring unloaded firearms, other weapons and ammunition directly to the TCU Police Department to be checked in and stored in a locked gun vault. Texas law does permit a person to store a concealed firearm in a locked, privately owned or leased motor vehicle parked on a street or driveway or in a TCU parking lot or parking garage.

### Frog Shield

The TCU Police Department encourages the use of Frog Shield, a safety application that uses geo-fencing and the nation's first Indoor Positioning System (IPS) to send accurate locations and pertinent information about 911 callers directly to TCU police. Users can also send anonymous safety reports and concerns while attaching photos and videos. Other functions include a Friend Watch links to campus safety resources and services. The application is free to all TCU community members and guests. More information can be found at [www.police.tcu.edu/frogshield](http://www.police.tcu.edu/frogshield) or by calling (817) 257-7933.

### L.E.S.S. is More

Students learn more, faculty teach more effectively and staff perform their duties more proficiently when they feel safe. To create the peace of mind that comes with feeling safe, the TCU Police Department participates in public safety drills in all campus buildings with the assistance of community members designated as trained in three emergency responses - Lockdown, Evacuate and Seek Shelter, or L.E.S.S. is More <https://publicsafety.tcu.edu/less-is-more/>

### 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 Active Shooter Training, Sexual Assault/Acquaintance Rape Prevention, Personal Awareness, 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.) Crime prevention services can be requested by calling the non-emergency number for the police department at (817) 257-8400.

### Froggie Five-O Student Escort Program

The TCU Police Department administers a safety escort program, Froggie Five-O. Froggie Five-O operates between the hours of 7 p.m. - 12 a.m. during the fall and spring semesters. Froggie Five-O provides safety escorts and uses student employees who escort students on foot or by golf carts to all areas of the campus. After 12 a.m., TCU police officers or security guards are available to escort students. Students may request an escort by using the Frog Shield app, calling Froggie Five-O during operation hours at (817) 257-5856 or the TCU Police at (817) 257-7777.

### 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.

## Bicycle Regulations

Bicycle registration forms can be submitted online at [www.police.tcu.edu](http://www.police.tcu.edu), and the registrant may come to the TCU Police Department to receive a bicycle permit. Forms may also be obtained at the TCU Police Department, 3025 Lubbock Ave.

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

## Office of Emergency Management

The office of Emergency Management is responsible for creating the framework within which the Horned Frog community increases institutional disaster resilience. TCU Emergency Management facilitates a comprehensive emergency management: prevention, mitigation, preparedness, response and recovery.

## Parking and Transportation

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 <https://parking.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 proving special parking places near a building in which an employee works or a student's residence hall or class.

## Yearbook

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The TCU Horned Frog Yearbook received its name before the school mascot was dubbed "Horned Frogs." It has been in print since 1897-1898 when it was founded by Addison Clark, Jr. who played on the first football team and also produced the first yearbook.

The award-winning 500-page, full-color yearbook is photographed, written and designed in the student-run Horned Frog Yearbook office.

An editor-in-chief, an editorial board and approximately 20 contributing staff members produce the yearbook. From majors such as communications/graphic design/journalism or even engineering/business/nursing, the staff is academically, socially and culturally integrated, and dedicated to producing an outstanding yearbook. For more information, call 817.257.5279, email [yearbook@tcu.edu](mailto:yearbook@tcu.edu) or visit [www.yearbook.tcu.edu](http://www.yearbook.tcu.edu).

# 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:

1. Cheating. Includes, but is not limited to:
  - a. Copying from another student's test paper, laboratory report, other report, or computer files and listings.
  - b. Using in any academic exercise or academic setting, material and/or devices not authorized by the person in charge of the test.
  - c. Collaborating with or seeking aid from another student during an academic exercise without the permission of the person in charge of the exercise.
  - d. 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.
  - e. 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.
2. 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 proper credit.
3. Collusion. The unauthorized collaboration with another in preparing work offered for credit.
4. Abuse of resource materials. Mutilating, destroying, concealing or stealing such materials.
5. 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.
6. 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 or academic setting. Fabrication involves inventing or counterfeiting information for use in any academic exercise or academic setting.
7. 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.
8. Complicity in academic misconduct. Helping another to commit an act of academic misconduct.
9. Bearing false witness. Knowingly and falsely accusing another student of academic misconduct.

### II. Procedures for Dealing with Academic Misconduct

1. Definitions
  - a. Day refers to a school day on which classes are meeting.

- b. 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.
  - c. Department chair refers to the academic administrator responsible for the unit providing the instruction in which the alleged academic misconduct occurred.
  - d. Faculty refers to the instructor of the course in which the suspected academic misconduct occurred.
  - e. Advisor refers to any person selected by the student who accompanies the student during formal hearings. The advisor may speak with the student but may not actively participate in the hearings.
  - f. 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 Staff.
2. Investigation and Initiation
    - a. 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.
    - b. 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 (5) 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).
      - i. 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.
    - c. 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.
    - d. An "I" grade should be given by the instructor if the alleged misconduct occurs near the end of a semester (for example, during finals), and a sanction outlined in Section III has not been applied by the instructor or the dean.
    - e. If more than one student is accused of the same act of misconduct (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.
  3. Resolution
    - a. *Meeting Between Faculty Member and Student.* This is the first step to be taken in resolving an incident of suspected academic misconduct.
      - i. Within five (5) 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 them and present any information supporting the allegations.
      - ii. The student will be given the opportunity to respond to the allegations. The student has the right not to respond.
      - iii. 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.

- iii. The faculty member will notify the student in writing of their 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.
- b. *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).
  - i. Within five (5) 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.
  - ii. 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.
  - iii. 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).
  - iiii. 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 in the Dean of Students Office within Student Affairs. Any such copies of the findings will be kept on file in the college and department offices and in the student conduct files maintained by the Dean of Students Office.
- c. *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.
  - i. 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.
  - ii. 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.
  - iii. The academic dean will notify the student of their 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 Students Office.
- d. *Academic Appeals Committee.* Should the student wish to appeal the decision of the academic dean, they have the right to request a hearing before the Academic Appeals Committee.
  - i. 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.
  - ii. 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.
  - iii. The appealing student has the right to appear before the Academic Appeals Committee. The student may bring one person with them as an advisor. The advisor may not speak for the student or to the committee. The advisor may only speak with the student. The student must inform the University five (5) class days in advance if their advisor is an attorney in order for the University to also have an attorney present. Each party shall bear the expense of their 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

1. By the Faculty Member
  - a. Grant no credit for the examination or assignment in question (treat as a missed assignment).
  - b. Assign a grade of "F" (or a zero) for the examination or assignment in question.
  - c. Recommend to the academic dean that the student be removed immediately from the course with a grade of "F."
  - d. Recommend to the academic dean that the student be placed on probation, suspended or expelled from the University.
2. By the Academic Dean or Academic Appeals Committee
  - a. Apply sanctions in III.1
  - b. 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.
  - c. Place the student on suspension from the University for a specified period of time.
  - d. Expel the student from the University.
  - e. In a case where the academic dean as defined above is not the dean of the college in which the student is enrolled, they shall recommend to the vice chancellor for academic affairs that the student be placed on probation, suspended or expelled. (Previous academic misconduct will be taken into account when either the academic dean or the Academic Appeals Committee considers sanctions for academic misconduct.)

## University Communication

TCU will make every attempt to communicate with all members of the academic community in a timely and effective manner. The University will utilize U.S. mail, campus mail, telephone calls, and/or TCU provided email to communicate official University business. Information communicated by TCU provided email (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 email account, text message, local media and the TCU home page (www.tcu.edu.) Many offices will use tcu.edu email exclusively to communicate important information; therefore, it is important that TCU community members access their accounts regularly or forward their account to a different email 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](http://my.tcu.edu).

## Graduation Participation

### Policy Governing Student Participation in Commencement

Commencement ceremonies recognize academic achievements of students and faculty. While ceremonial in nature, commencement is a time for the university to celebrate a major milestone in the life of the academic community. Participation in commencement at Texas Christian University is an honor shared among graduates.

A Student participates in the commencement ceremony following the term in which the student completes all requirements for the degree (Spring semester graduates participate in the May commencement. Summer and fall semester graduates participate in the December commencement.)

Graduation is approved by the academic dean of the student's major in the form of a formal degree plan (completion of the degree is audited by the Registrar) and by the Controller's indication that the student has met all financial obligations to the university.

Students who have an approved degree plan from their dean that would make them eligible for a commencement, but fail to complete that degree plan may appeal to the Registrar to participate in commencement. If approved, such students will not receive a diploma or have their name in the commencement program, but will have their name read as they cross the stage. All appeals regarding participation in



commencement are made to the Registrar, and the Registrar's decision in these cases is final.

#### Interpretative Note:

This policy is frequently applied at May Commencement. Students who are completing degrees in the summer frequently request to walk in the May commencement. This policy does not permit that. Only students who are graduating in the spring semester are allowed to participate. The only exception is for students who are: 1) registered and expected to complete all required courses in the semester of commencement; 2) have a degree plan in the Registrar's Office with an expectation of graduation; 3) find out when final grades come in that they have not met requirements; and 4) make a written appeal to participate. This exception is allowed to accommodate friends and family who may already be in transit at the time the student learns of failure to meet graduation requirements.

## 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 conduct system is provided in the Student Handbook and is available online at <https://deanofstudents.tcu.edu/studenthandbook/>. Individuals may also contact the Dean of Students 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 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 used for patrons of TCU football games at Amon Carter Stadium from three hours before and three hours after a TCU home football game. Patrons may not bring alcohol into 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 are available online at [www.studenthandbook.tcu.edu](http://www.studenthandbook.tcu.edu) or you may contact the Dean of Students at 817.257.7926.

## Drug Use 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 including but not limited to: cannabis, K2 and other synthetic cannabinoids, synthetic stimulants (such as bath salts), cocaine, cocaine derivatives, heroin, amphetamines, methamphetamines, barbiturates, steroids, LSD, GHB, Adderall, Rohypnol, and substances typically known as "designer drugs" such as "ecstasy." Possession of paraphernalia associated with the use, possession or manufacture of a prescription drug or controlled substance is also prohibited (see Code of Student Conduct section, Drugs). Students having prohibited substances in their residence and students in the presence of these substances or paraphernalia may be subject to the same penalties as those in possession.

The minimum penalty for a first-time violation of the Drug Use Policy for use or possession of a prescription drug or controlled substance may be conduct probation for a full year, a requirement for participation in a drug education and/or treatment program, meetings with staff in the Substance Use and Recovery Services (SURS) office and random drug screenings. Any student who violates the Drug Use Policy for use or possession of a prescription drug or controlled substance for a second time may be suspended from the University for at least one year. Possession of drug paraphernalia may 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 Use Policy for sale, distribution or manufacture of a prescription drug or controlled substance may be permanent expulsion from the University. A student who voluntarily seeks help for drug or alcohol use 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, they do 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 a 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 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

1. The University committees enumerated below shall serve as quasi-judicial boards of original jurisdiction.
  - a. 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.

- b. 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.
  - c. 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.
  - d. 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.
  - e. 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.
  - f. The Student Conduct Committee hears appeals from individual students who have been disciplined by the Dean of Students Office. It also may have discipline cases referred directly to it by the Dean of Students Office.
  - g. 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.
2. All quasi-judicial committees must have both student and faculty members.

## II. University Court

1. 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.
2. 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.
3. In cases of dispute over jurisdiction, the court will determine which quasi-judicial committee will have authority over a particular case.
4. 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.
5. 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.
6. The court shall be free to select its own chairperson.

7. The University Court shall annually review and report to the ratifying bodies upon the quasi-judicial procedures and functions of the University committees.
8. 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

1. Because the ultimate institutional responsibility has been delegated to the chancellor by the Board of Trustees, they retain the right to reverse any decision of the University Judicial System. The chancellor may delegate this authority to the president or an appropriate Vice Chancellor.

## IV. Educational Discipline Procedures

1. Each quasi-judicial committee and the University Court shall determine its own hearing procedures, provided these procedures meet accepted "fair play" standards.
2. Each quasi-judicial committee and the University Court must observe rules of procedure, which include the following "fair play" rights:
  - The right to be informed in writing of the charges and the possible punishment.
  - The right to have at least three school days in which to prepare a defense to refute the charges.
  - The right to a hearing, which should elicit information from both sides. If possible, the accused shall be able to face their accuser(s) and have the right to be advised by legal or other counsel.
  - 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 their 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 Students may verify the identity of a witness and accept a written statement from them without revealing the name of the witness or accuser to the accused.
  - The right to present oral or written testimony.
  - The right to remain silent about any incident in which they are a suspect. No form of harassment shall be used by an institutional representative to coerce admissions of guilt.
  - The right to be advised in writing of the results of the hearing.
  - The right to receive a transcript or tape recording of the proceedings, at the individual's own expense, this is requested 24 hours before the hearing.

## V. Student Affairs

### Campus Expression

1. Students shall be free to examine and discuss all questions of interest to them and to express opinions publicly and privately.
2. Students have the right to assemble freely and peaceably.
3. Students shall be free to support or protest causes by orderly means.
4. Students have the right to be interviewed on campus for any position for which they meet the qualifications specified by any prospective employer permitted to recruit on campus by the University.
5. Student organizations officially recognized by the University shall be allowed to invite and hear speakers of their choosing. Speaker presentations shall be conducted in a manner consistent with an academic community and consistent with the philosophy and objectives of Texas Christian University. Student organizations have the right to present "entertainment" productions. (As used in this document, entertainment refers to films, theatre, dance, music and art exhibitions.) All productions shall be conducted in a manner consistent with an academic community and consistent with the philosophy and objectives of TCU.

## Student Organizations

1. Organizations consistent with the mission and values of TCU shall be recognized by the Director of Student Activities 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 Director of Student Activities.
3. Student 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. Student 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.

## Student Communication Media

1. The student communication media shall be free of censorship. The editor and managers shall be free to develop their own editorial policies and methods of news coverage within the framework of the philosophies and objectives of the University. (The term "censorship" in reference to student communications media means any attempt to threaten or coerce any editor, manager or staff member of a student-run publication or broadcast station in order to prevent the dissemination of any factual account or the expression of any opinion, or generally, to hinder the free flow of ideas.)
2. The editorial freedom entails a responsibility to observe the Canons of Responsible Journalism and applicable regulations of the Federal Communications Commissions to avoid the publication of libelous and other unlawful statements and to show regard for the standards of taste of the University.

## 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.

## 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 their responsibility to abide by the terms of the housing contract.

## VI. Conduct Outcomes

1. University conduct outcomes shall be imposed upon a student only in accordance with the provisions of a written, officially adopted and published Code of Student Conduct.
2. When charged with a violation of the Code of Student Conduct, students shall have procedural "fair play" rights.
3. Students formally charged with violating University regulations shall be informed of their "fair play" rights in writing.
4. Students shall have the right to appeal any conduct outcomes within the provisions of the University judicial system.
5. Students are responsible for answering honestly any questions posed to them in conduct 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. Un-enumerated Rights and Responsibilities

The preceding unenumerated 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

Amendments 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 Texas Christian University. It is understood by all persons concerned that the rights and responsibilities enumerated herein are to be exercised within the framework of the philosophies and objectives of Texas Christian University. 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

1. 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.
2. The appropriate facilities and services of the University shall be available to its enrolled students.
3. Each student has the responsibility to meet all of their financial obligations to the University.
4. Each student has the responsibility to observe the regulations of the University.

### Section II. Classroom Expression

1. Any student who is in good standing with the University has the right to register for and attend any class (course) for which they have met the prerequisites as stated in the official University catalog and that is open to further enrollment.
2. Freedom of discussion and expression of views relevant to a course shall be protected.
3. Students are responsible for meeting the stated requirements of any class for which they are enrolled.

4. 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**

1. 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 themselves 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.
2. No entry may be made on a student's official transcript without notification to the student.
3. 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.
4. Entries relating to a student's race and religion may be solicited, but shall not become part of the student's official transcript.
5. Within a maximum of eight (8) years from the date of an individual's termination from the University, a routine destruction of their conduct records shall be accomplished, with the exception of those records indicating expulsion, which will be retained permanently.
6. The student has the responsibility to give full, accurate and complete information for all official records required by the University.

# Special Academic Programs

## TCU Global (Formerly the Center for International Studies: TCU Abroad)

TCU Global serves as a catalyst for students to become exceptional global citizens through active engagement. TCU Global promotes international and domestic programming and structures, including summer study abroad programs led by TCU faculty members, semester-long the Global Scholars program. TCU Global also supports domestic travel. For more information, visit [www.tcuglobal.tcu.edu](http://www.tcuglobal.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 capitals of the world, drawing on the immense intellectual, cultural and human resources of London. TCU partners with the University of Westminster and the University of Roehampton to provide opportunities to take courses in a wide range of disciplines. Students also have the option of choosing an internship for academic credit.

The *TCU in Seville Program*, in cooperation with 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. Two prior Spanish courses at the college level (or equivalent) are required to attend this program.

The *TCU in Florence Program* offers students of all majors the opportunity to take classes in English at Lorenzo de Medici Institute. 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.

The *TCU in Rome Program* allows students to experience an historically rich environment, while studying in an American-style university rooted in the liberal arts with a solid international focus. Students study and live in Trastevere, along the Tiber River in the heart of Rome. No prior language is required to be accepted to the program, and all students take one Italian language course while in Rome.

The *TCU in Madrid Program* is an extraordinary opportunity to attend a preeminent public university in Spain, while living in the center of this vibrant international city. Students attend classes at Universidad Carlos III, featuring business, as well as economics, journalism, film studies, communication, sociology and political science. No prior language is required, and students take one Spanish course while in Madrid.

The *TCU in Stellenbosch Program* offers students the opportunity to study in Stellenbosch, South Africa, a charming college town outside of Cape Town, surrounded by breathtaking mountain and ocean views. Students live on campus and may take courses across a wide range of disciplines at Stellenbosch University including science, business and the liberal arts.

The *TCU-In Oxford Program* is a prestigious opportunity to study at St. Catherine's College, one of nearly 40 colleges that make up the University of Oxford. TCU juniors and seniors with high academic qualifications can study at St. Catherine's College through its Visiting Students Programme. Visiting Students have the opportunity to choose from the widest variety of tutorial courses offered by any college at Oxford.

Other special study abroad opportunities include *TCU Affiliated Programs*. TCU Affiliated 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 Summer Programs

TCU *summer courses* have featured study in various locations, including Argentina, Australia, China, Costa Rica, England, France, Germany, India, Italy, Japan, Scotland, South Africa and Spain. These intensive courses are developed and directed by TCU faculty members from such disciplines as biology, business, environmental science, communication science disorders, strategic communication, history, journalism,

literature, nursing, social work, political science, religion, Spanish, and theatre. 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. TCU students may also study abroad in the summer through TCU Affiliated Programs.

## Washington Internships

### The Washington Internship Program

The Political Science department and the Bob Schieffer College of Communication partner with The Washington Center to provide a semester-long, academic internship experience in the nation's capital. The program includes placement, supervision, evaluation, seminars, housing, 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. Journalism and strategic communication majors will work through the College of Communication and all other majors will work through the Political Science department. The application process begins a year in advance. Depending on their major, students earn 12 – 15 hours of upper-division credit, with 6-9 hours for the full-time internship plus one or two courses (3 – 6 credits) taught by The Washington Center. Students will complete a Credit Approval Form with their academic adviser to determine how these credits may satisfy departmental or University requirements.

For more information, see TCU Global, [www.tcuglobal.tcu.edu](http://www.tcuglobal.tcu.edu).

## IdeaFactory

The TCU IdeaFactory is a unit in the Neeley School of Business dedicated to supporting the innovation spirit of all TCU students, staff and faculty by providing an environment where they use human centered design and systems thinking to become social innovators and change agents.

# 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, Focus and/or Concentration

Unless otherwise defined specifically within the catalog, an emphasis, focus 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.

### 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/theses, graduate thesis or dissertation hours.

Q – Removed from the course by an academic dean.

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 and cannot replace a prior grade in the 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 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.

## 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 the course.

Mere absence from a class does not constitute withdrawal. To withdraw from a course, a student must follow official established procedure. Students may withdraw from classes with no academic penalty through 70 percent of class days. The last day to declare P/NC will be the day following the last day to withdraw. (Exam days are considered class days. The last day to withdraw will be the last whole day not to exceed 70 percent.) The date of withdrawal for all purposes, including tuition adjustment, shall be the date of official withdrawal. No withdrawals are

allowed after this date during the fall and spring semesters or a comparable period during a shorter term.

Any student experiencing unusual hardship may seek special consideration through a written petition to the dean of the college of his or her major. Petitions should, where possible, be documented with supporting statements from a doctor, counselor or family member. Doing unsatisfactory work in a course is not 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 (p. **Error! Bookmark not defined.**) (p. 42) section) are given the opportunity to audit one class (for which auditing is permitted) without fee within the enrollment semesters for the current degree. 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 dance—may not be audited.
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 approval by the appropriate academic dean if they wish to take courses at another institution and have those courses count toward a degree at TCU. Coursework taken without prior written approval may not be applied to a degree.
2. No transfer credit will be awarded for courses in which a grade lower than "C-" was earned.
3. Once a student is enrolled at TCU, no more than four classes (maximum of 16 hours), except those earned in an approved study abroad program, may be transferred from other schools.
4. Colleges and departments may impose additional restrictions. See the appropriate college and department descriptions.
5. The total of all course credit earned at an institution other than TCU (transfer credit or credit earned through a Study Abroad/Away Semester program) or credit earned by virtue of credit by examination or similar structures may not exceed 75% of the total number of credit hours required for a degree.

Transcripts of coursework taken elsewhere must reach the Office of the Registrar within 30 days of completion of the coursework.

### Study Abroad Credit

TCU supports two types of study abroad programs: programs administered by the Center for International Studies, called "TCU in" programs; and programs administered by select providers and universities with which the TCU has an agreement, called "Approved" programs.

For TCU in programs and approved programs not utilizing a U.S. transcript, courses count as residency credit, in which case the course grades are computed in the official TCU GPA and students can elect to take individual courses P/NC following TCU policy.

The Center for International Studies: TCU Abroad assists students in making arrangement for international 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 Credit by Exam information is available on the Office of Admission's website.

## 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 (p. **Error! Bookmark not defined.**) 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 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 in a long term. The student should regularly consult with their academic adviser, but the student must know the academic requirements of their 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.

## Determining Full- and Part-time Enrollment

### Undergraduate Students

Full-time enrollment for undergraduate students is 12 hours.

9.00-11.99 hours is 3/4 time

6.00-8.99 hours is 1/2 time

3.00-5.99 hours is 1/4 time

Round down to nearest cutoff.

Exceptions for undergraduate students are made when:

- Their academic program restricts them from enrolling in 12 hours. For instance, students enrolled in student teaching may only enroll for six hours. Such students will be considered full time for that semester except for purposes of federal financial aid.
- Students enrolled in the last semester necessary for graduation may be considered full time if their enrollment is less than 12 hours except for purposes of federal financial aid.

## 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:

**First-year:** 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 and 1 are used for first-year; 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 first-year level (first digit) and 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:

AAS	African American and Africana Studies	ESOL	English for Speakers of Other Languages
AADM	Arts Administration	FAME	Fashion Merchandising
ACCT	Accounting	FINA	Finance
ADRN	AddRan Interdisciplinary	FNRT	Fine Arts Interdisciplinary
AEST	Aerospace Studies	FREN	French
ANTH	Anthropology	FTDM	Film, Television, and Digital Media
ARAB	Arabic Language	GEOG	Geography
ARED	Art Education	GEOG	Geology
ARGD	Graphic Design	GREE	Greek
ARHI	Art History	GRMN	German
ARLD	Architecture Lighting Design	HARE	Human-Animal Relationships
ARST	Studio Art	HCHS	Harris College Health Sciences
ART	Art	HCOL	Honors Colloquia
ASST	Asian Studies	HCOM	Health Communication and Media
BIOL	Biology	HEBR	Hebrew
BUSI	Business	HIST	History
CHDV	Child Development	HLTH	Health
CHEM	Chemistry	HNRS	Honors
CHIN	Chinese	HSPR	Honors Special Problems
CITE	Computer Information Technology	INDE	Interior Design
COMM	Communication Studies	INDS	Interdisciplinary Studies
COSC	Computer Science	INSC	Information Systems and Supply Chain Management
COSD	Communication Sciences and Disorders	INTR	Interdisciplinary
CRES	Comparative Race and Ethnic Studies	ITAL	Italian
CRJU	Criminal Justice	JAPN	Japanese
CRWT	Creative Writing	JOUR	Journalism
DANC	Dance	KINE	Kinesiology
DCDA	Digital Culture and Data Analytics	LTNX	Latina/o Studies
DSGN	Design	MANA	Management & Leadership
ECON	Economics	MARK	Marketing
EDEC	Education: Early Childhood	MATH	Mathematics
EDMS	Education – Middle School	MILS	Military Science
EDSE	Education – Secondary	MOLA	Modern Languages
EDSP	Education – Special	MUSI	Music
EDUC	Education – General	MUSP	Music Performance
ENGL	English	NTDT	Nutritional Sciences
ENGR	Engineering	NURS	Nursing
ENSC	Environmental Science	PEAC	Physical Education Activity Courses
ENTM	Energy Technology and Management	PHIL	Philosophy
ENTR	Entrepreneurship	PHYS	Physics and Astronomy
		PORT	Portuguese
		POSC	Political Science
		PSYC	Psychology

RAMA	Ranch Management
RELI	Religion
SCIE	Science & Engineering Interdisciplinary
SOCI	Sociology
SOWO	Social Work
SPAN	Spanish
STCO	Strategic Communication
THEA	Theatre
UNLF	University Life
WRIT	Writing
WGST	Women & Gender Studies

## Grade Reports

Grades are reported to students at the end of each semester and summer session. 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 inappropriate 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, their 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 dean's decision may be appealed in writing to the Academic Appeals Committee within ten (10) academic days of the dean's decision. The Academic Appeals Committee will follow the appeals procedures in the Academic Appeals Committee Policy, which may be obtained in full from the chair of the committee or the Provost's office.

## 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, president, 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 their 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 has 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 maintains 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, The Harrison, Suite 3100; Vice Chancellor for Student Affairs, The Harrison, Suite 2200; Dean of Campus Life, The Harrison, Suite 1600; Registrar, The Harrison, Suite 1300; or Scholarships and Financial Aid, The Harrison, Suite 1300.

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, email address, image, name of parents of dependent students, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. It is also permissible for the University to release information from a student's educational record to a parent, provided the student is a "dependent" as defined in Section 152 of the

Internal Revenue Code of 1954. Students may withhold directory information by notifying the registrar in writing. Requests for nondisclosure will be honored for only one academic year; therefore, authorization to withhold directory information must be filed annually in the Office of the Registrar.

## Transcripts of Academic Records

Students and former students may request official transcripts of their TCU academic record from the Office of the Registrar. 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. All transcript requests must be made by the student. Adequate notice, normally one week, is required for transcript processing. Transcripts will not be released unless the student has satisfied all financial obligations to the University. Disciplinary actions do not appear on the official transcript, but students who leave the university after disciplinary action or when disciplinary action is pending may at the discretion of the Dean of Campus Life have a letter attached to the official transcript describing their disciplinary problem or suggesting that the recipient contact an appropriate person in the Office of Campus Life.

## Affirmative Action

Affirmative Action and Equal Employment Opportunity, TCU recruits, hires and promotes qualified persons in all job classifications without regard to age, race, color, religion, sex, sexual orientation, gender, gender identity, gender expression, national origin, ethnic origin, disability, genetic information, covered veteran status or any other basis protected by law.

TCU's Affirmative Action/Equal Employment Opportunity Officer is Ms. Yohna J. Chambers, Vice Chancellor and Chief Human Resources Officer.

Inquiries about TCU's policies and compliance with Title VII, The Age Discrimination Act of 1975 or other aspects of TCU's equal opportunity or affirmative action programs should be directed to:

Ms. Yohna J. Chambers

Vice Chancellor and Chief Human Resources Officer

TCU Box 298200

817-257-5103

y.chambers@tcu.edu

## Academic Probation and Suspension Policies

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.

## Academic Dismissal

Students who are subject to dismissal will have their academic progress reviewed by their academic dean and will be notified in writing as to the academic dismissal decision and any special conditions for re-enrollment. A student's dismissal 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 dismissal will be for a minimum of a full calendar year.

Following dismissal 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. Up to twelve (12) hours of credit earned from another college or university during the period of dismissal may be transferred to TCU. A student re-enrolled in the University following a period of dismissal is automatically on probation.

Academic dismissal will become part of the student's official transcript.

## Graduation Requirements

The University requirements for graduation (e.g., TCU Core 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 their 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 they must satisfy all the requirements of the catalog chosen. When a student pursues a degree on a part-time basis, their 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, 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 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.

## Additional Requirements for the Bachelor of Arts Degree

In addition to a major, students pursuing a Bachelor of Arts degree must select a minor or 2nd major.

All students pursuing the Bachelor of Arts degree must demonstrate competency in a foreign language equivalent to the completion of one of the following:

ARAB 20063

CHIN 20063

FREN 20063

GRMN 20063

GREE 20063

ITAL 20063

JAPN 20063

SPAN 20203

SPAN 20213

This requirement may be satisfied by:

- satisfactory completion of coursework taken at or transferred to TCU.
- presenting satisfactory scores on recognized standardized tests (i.e., AP, CLEP or SAT II). Required scores on standardized tests may be found at <https://admissions.tcu.edu/apply/first-year/college-credits/credit-by-exam.php>
- six semester hours at the sophomore-level of languages not currently taught at TCU may be transferred to TCU from another accredited institution.
- providing 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.

## TCU Core Curriculum Requirements

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.

Students who complete the TCU Core Curriculum achieve the following Student Learning Outcomes:

- Analyze human experiences, cultural expressions, or creativity
- Apply mathematical and scientific literacy skills or concepts
- Describe concepts or theories of social responsibility in diverse or global communities
- Communicate effectively

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 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 120 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 (at least 45 hours for the Bachelor of General Studies degree) 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 (p. **Error! Bookmark not defined.**) (p. 42)). 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. For the Bachelor of General Studies degree, at least 36 hours must be upper division, with at least 24 of those completed at TCU.
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 making a request to change the major online at my.tcu.edu.

## 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.

## Double Degrees

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

- Declare intent and file all degree plans prior to completing the last 15 hours of either degree.
- Fulfill all specific major, college/school and University degree requirements in force at the time of initial enrollment (subject to the six-year limitation).
- 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.)
- 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 that did not apply to the first degree, plus fulfill all specific major, college/school and University degree requirements in force at the time of enrollment 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.
- 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.

## 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. (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, first-year (0-23 earned hours at the end of the term) must achieve at least a 3.6 GPA, sophomores (24-53 earned hours at the end of the term) must achieve at least 3.7, juniors (54-83 earned hours at the end of the term) must have achieved at least 3.8 and seniors (84+ hours at the end of the term) must have achieved at least 3.8. In that semester, they must have earned credit for at least 12 hours; "I" and "P" grades are not counted toward the 12 earned hours.

## 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.

## **John V. Roach Honors College**

Honors College students earn Departmental Honors by completing a research or creative project under the supervision of a faculty committee in their major (or minor with special permission). Honors College students earn University Honors by completing three interdisciplinary Honors colloquia.

### **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 academic honor society in the U.S. one of the most selective. It invites membership to students with high grades whose studies show a breadth of knowledge in the liberal arts. Most initiates are seniors though juniors are sometimes invited.

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, and graduate students are sometimes invited.

#### **Mortar Board**

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

# TCU Core Curriculum

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

The educational experience offered by 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 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 Competencies

12 hours plus 6 hours Writing Emphasis

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

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 Experience and Endeavors

27 hours

Courses in this curriculum explore significant achievements and discoveries in the humanities, fine arts, social sciences and natural sciences. The aim is to develop students' knowledge of the human condition and its connections to the good and the beautiful, and to the natural and social orders. The requirements and competencies for this curriculum are:

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. Please go to <http://www.core.tcu.edu/documents/TCUCCWorksheet052809.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.



# Neeley School of Business

## Business Program of Study

The 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, they all study the principles of accounting, business information systems, entrepreneurship and innovation, finance, management, marketing, and supply and value chain management.

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 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 Neeley School of Business is fully accredited in business and accounting by the Association to Advance Collegiate Schools of Business (AACSB International) 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 merges 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 relationships with universities in several countries. Through these relationships, 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 a global business minor. Through this program, dedicated students can earn the Bachelor of Business Administration (BBA) in the major of their choice with an additional global business minor 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. In addition, the Neeley School offers short-term intensive field seminars during spring break, May, June and July. The goal of these experiences is to expose Neeley School business students to the realities of the corporate environment in other countries. On-site tours and one-on-one interaction with executives from companies are included in these programs. These tours and interactions enable the programs to move beyond traditional classroom-based exchanges. Students are required to use local transportation and tour historic sites. Hundreds of Neeley School students and dozens of Neeley School faculty have had the opportunity to experience these unique study abroad programs.

## Neeley Student Success Services

Through Neeley Student Success Services, the Neeley School offers a comprehensive four-year model supporting undergraduate accomplishment. Professional staff members are committed partners with faculty, other staff and the TCU community to help students achieve in every aspect of the college experience. Neeley Student Success Services provides a range of resources from the time a student is a prospect through graduation. Our responsibility is to promote growth and development by helping students assess their interests and abilities, identify educational goals, and formulate short-term and long-term plans to meet those goals.

The mission of Neeley Student Success Services is to ensure that our students' academic plan is aligned with their career and professional development plans. It is through this alignment that Neeley students realize their full potential. Neeley Student Success Services integrates the core services of undergraduate student development, including the Neeley Academic Advising Center, the Alcon Career Center, the Neeley Professional Development Center and Neeley Premier Programs.

## Neeley School Special Awards

*The Neeley Heritage Scholarship.* The Neeley Heritage Scholarship was established to honor the many contributions of Neeley alumni, faculty and staff, who have worked together over the years to create a premier business education experience. The Neeley Heritage Scholarship is used to recruit and reward outstanding students to the Neeley School, based on academic excellence and leadership potential or accomplishments. Students receiving a Neeley Heritage Scholarship must continue as business majors and maintain and academic and/or leadership record worthy of recognition.

*The Neeley Promise Award for Leadership and Innovation.* This award recognizes an undergraduate student who exemplifies the Neeley Promise by exhibiting ethical leadership, innovation; and positivity; thus bringing honor to the Neeley School of Business.

*Accounting.* For students in accounting, the Accounting Excellence Award and the Education Foundation Scholarship of the Texas Society of Certified Public Accountants are awarded to outstanding undergraduate or Master of Accounting students. The Henry Key Award for Distinguished Service recognizes outstanding service to the Accounting Department and is 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. Seniors are also eligible for the Senior Accounting Scholar Award. Outstanding junior accounting majors may be granted the Junior Accounting Award or the Petroleum Accountants Society Award.

*Information Systems and Supply Chain Management.* The Department of Information Systems and Supply Chain Management presents awards to senior scholars in business information systems and supply and value chain management. In addition, the Business Information Systems (BIS) Program grants 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 Awards.

Awards in the area of supply and value chain management 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.

*Management* The department of Management presents several awards annually, including; the Senior Scholar Award, based on highest GPA; the Outstanding Student in Management and Leadership Award, for a student who represents the best in the department; the Excellence in Leadership Award, for a student who has demonstrated outstanding leadership qualities; the Rob Rhodes Critical Thinker Award, for a student who has demonstrated excellence in critical thinking to solve difficult problems; the Strategic Thinker Award, for a student who has demonstrated excellence in strategic thinking to solve organizational level problems; the Teaming Award, for a student that has consistently been a stellar team member or team leader; the Polymath Award, for an undergraduate business student who demonstrates intellectual curiosity through excellence in and integration of a creative, academic and/or professional pursuit outside of traditional disciplines.

*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), 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) 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 presents several awards annually to outstanding finance majors, including The Wall Street Journal Achievement Award to a senior who demonstrates an uncommon aptitude in investments. The Fort Worth Mortgage Bankers Association Award goes to a senior pursuing a career in real estate. The Outstanding Educational Investment Fund Student Award recognizes outstanding service and performance as a student member of the Educational Investment Fund during the past academic year. The Finance High Achievement Award is presented to a finance student, and the Senior Scholar Award is presented to a senior finance major for academic excellence. Other awards: Real Estate Club award, awarded to a TCU Real Estate Club member who exemplifies scholarship, leadership and dedication to the organization; the David B. Hendricks II Memorial Scholarship, to an outstanding finance major with an emphasis in real estate; the Lockheed Martin TCU FMA Award, to an FMA member who exemplifies scholarship and commitment to the mission of the TCU Financial Management Association; Luther King Capital Management Center for Financial Studies scholarships, to junior finance majors for exemplary academic performance, community service and excellent character; the Meredith Fraker Thompson Memorial Scholarship in Finance, to two junior finance majors for academic excellence; and internship opportunities with LKCM.

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:
  - First-year students.* The TCU Office of Admission makes the decisions on all first-year 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 a minimum 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 Academic Advising Center in the spring semester 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 have a minimum 2.75 GPA and demonstrate computer skills competency by achieving Microsoft Specialist Certification in PowerPoint and Excel at the basic level in order to continue as pre-business students beyond the first year. In addition, pre-business students must complete the following courses in the first year: BUSI 10153; ECON 10223, ECON 10233; ENGL 10803; MATH 10283; or MATH 10524; one TCU Core Curriculum requirement; or others as recommended by an 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 eligible to apply to the Neeley School students must:

- Have successfully completed all first-year requirements listed above
- Have a minimum cumulative GPA of 3.00
- Have a lower division GPA of at least a 2.75
- Have completed or be enrolled in all of the lower division requirements

Students who apply and maintain the minimum cumulative GPA threshold, and lower division GPA threshold at the end of the semester in which they apply, including completion of all LDRs, will be accepted and may select from one of the functional area majors.

Students who do not meet the minimum requirements to apply to the Neeley School once they have completed all of the lower division requirements may be dismissed for lack of progress.

### Academic Advising

All business students in the Neeley School are assigned an academic adviser by the Neeley Academic Advising Center. The center is open daily to answer the questions of all prospective and continuing students in the school. The Neeley Academic Advising Center 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 Neeley Academic Advising Center coordinates the admission process to the Neeley School.

### Pass/No-Credit Policy

Students in the Neeley School of Business may not take any course in the Neeley School on the P/NC basis.

Pre-business students or business majors may take up to 6 semester hours of courses on a pass/no-credit basis. However, no lower-division business core course, including ECON 20223, ECON 10233, ENGL 10803 and MATH 10283 or upper-division business courses (30000-40000) may be taken as P/NC, unless the course is taught only on a P/NC basis.

## 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 Neeley Academic Advising Center 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 Neeley Academic Advising Center 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 a student has begun course work in their business major.
- 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 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 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 Academic Advising Center for more information regarding the appeal process.

## Neeley School Student Organizations

### 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. It meets every other week, bringing in top companies and recruiters as speakers.

### Beta Gamma Sigma

This national honor society for business students rewards scholarship and accomplishment among students, promotes education in business, and fosters integrity in the conduct of business operations. Only the top 10 percent of juniors and the top 10 percent of seniors based on academic performance are invited to join.

### Entrepreneurship Club at TCU

The Entrepreneurship Club at TCU 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.

### National Association of Black Accountants

The National Association of Black Accountants (NABA, Inc.), is a nonprofit membership association dedicated to bridging the opportunity gap for black professional in the accounting, finance and related business professions. Representing more than 200,000 black professionals in these fields, NABA advances its mission by providing education, resources, and meaningful career connections to both professional and student members.

## Delta Sigma Pi

TCU's chapter of this international fraternity strives to strengthen 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 field trips to industries and sponsors speakers and panels.

## 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 the Neeley School's connection with the business community.

## Neeley Women's Business Network

The Neeley Women's Business Network is a student-led organization that provides the skills necessary to succeed in today's rapidly changing business environment. It develops the potential of young women through mentorship and community service.

## TCU Real Estate Club

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

## Veterans in Business and Entrepreneurship (VIBE)

The purpose of VIBE is to increase the academic and professional success of business and entrepreneurial-minded veteran and military-affiliated students, within the Neeley School and the greater TCU community.

## 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 30000-level or above) in their junior year. All TCU students (not previously admitted to TCU as pre-business) or students transferring to TCU who wish to become pre-business students or business majors must contact the Neeley Academic Advising Center regarding admission policies, procedures and deadlines. Admission is competitive, limited and not guaranteed.

1. *Declaring Majors.* All students wishing to become business majors should first be admitted to TCU and the Neeley School as pre-business students. Students remain pre-business students until being formally admitted to a specific business major and upper-division courses. Before taking upper-division (most 30000 level or above) business courses, all pre-business students must complete the lower-division sequence requirements as outlined under Neeley School Requirements.
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, entrepreneurship and innovation, finance (or finance with a real estate concentration), management, marketing, or supply and value chain management. Contact the Neeley Academic Advising Center for policies and procedures regarding declaration of major(s).
3. *Declaring an Emphasis.* Select business students may also complement their major in any business discipline by completing the BNSF Neeley 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 by end of April. 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 Academic Advising Center regarding policies, procedures, and deadlines.

- 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 a pre-business transfer student from a four-year university, students should have a minimum 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.
- 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 associate dean of the Neeley School to graduate. Students must also have a minimum 2.5 major GPA to graduate with a BBA degree.

## Business/Pre-Business Students

### Entering First-Year

- 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 2.75 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.

#### First Year Fall

BUSI 10153	Business in Society	3
ENGL 10803	Introductory Composition: Writing as Inquiry	3
MATH 10283	Applied Calculus	3
	OR	
MATH 10273	Applied Precalculus	3
ECON 10223	Introductory Microeconomics	3

**Subtotal: 15**

#### First Year Spring

MATH 10283	Applied Calculus	3
	OR	
INSC 20153	Statistical Analysis	3
ECON 10233	Introductory Macroeconomics	3
	Core Curriculum Requirement 3 credits	3
	Core Curriculum Requirement 3 credits	3
	Core Curriculum Requirement 3 credits	3

**Subtotal: 15**

MATH 10283 has a prerequisite of MATH 10273 or MATH 10053. Students who have high school credit for pre-calculus and at least a 600 SAT math score are exempt from MATH 10273 or MATH 10053. It is recommended that students take the Math placement exam to get a better sense of their preparation. For information, go to <http://tcumath.org/placement>

### Sophomores

- Students continue taking lower-division sequence requirements.

Suggested sequence of courses:

### Sophomore Year Fall

ENGL 20803	Intermediate Composition: Writing Argument	3
INSC 20263	Business Information Systems	3
ENTR 20153	Entrepreneurial and Business Regulatory Environment	3
	Core Curriculum Requirement 3 credits	3
INSC 20153	Statistical Analysis	3

**Subtotal: 15**

### Sophomore Year Spring

ACCT 20353	Fundamentals of Accounting	3
MARK 30153	Marketing Management	3
INSC 30313	Supply Chain Management	3
	Core Curriculum Requirement 3 credits	3
	Core Curriculum Requirement 3 credits	3

**Subtotal: 15**

Students formally apply for admission to a specific major(s).

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

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

Contact the Neeley Academic Advising 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; (With the exception of FINA 30153, which must be taken in advance.) Students may enroll in MANA 40153 concurrently with only one other upper-division core course by permission of the Department of Management and Leadership; recommended to be taken in the last two semesters.

Contact the Neeley Academic Advising 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

#### Core Curriculum

39-63 hours

#### Business Core Curriculum

38 hours

#### Major Course Requirements

21-27 hours

#### Free Elective Courses

Hours will vary depending on 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, ENGL 20803)
- Mathematical Reasoning: 3 hours (MATH 10283 or MATH 10524)\*
- \*Credit is not allowed for both MATH 10283 and MATH 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 block of courses prior to proceeding to the next block. Instead, the courses are woven into an integrated sequence of learning steps.

## B. Lower-Division Sequence Requirements

28 semester hours; these courses must be completed the semester in which the student submits their application for admission to the Neeley School and before beginning upper-division business core courses (30000 level or above, except MARK 30153 and INSC 30313).

### Lower-Division Sequence Requirements

First-year required courses:

BUSI 10153	Business in Society	3
ENGL 10803	Introductory Composition: Writing as Inquiry	3
ECON 10223	Introductory Microeconomics	3
ECON 10233	Introductory Macroeconomics	3
MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4

Sophomore Year required courses

INSC 20263	Business Information Systems	3
ENTR 20153	Entrepreneurial and Business Regulatory Environment	3
ACCT 20353	Fundamentals of Accounting	3
INSC 20153	Statistical Analysis	3

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

Students must complete Microsoft Office Basic Excel Exam before they are eligible to enroll in INSC 20153.

Attainment of a minimum GPA of 2.75 in the lower-division sequence requirements courses.

Attainment of a TCU cumulative GPA of at least 3.0 to be eligible to apply to Neeley and advance in upper division business major courses.

## C. Upper-Division Business Core Courses

30000-level or above (except MARK 30153, MANA 30153, BUSI 30383 and INSC 30313) 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

BUSI 30383	Global Business with an Ethical Lens	3
MANA 30153	Organizational Management	3
MARK 30153	Marketing Management	3
FINA 30153	Financial Management	3
INSC 30313	Supply Chain Management	3
INSC 30801	Business Applications in Excel	1
ACCT 40163	Accounting for Decision Making & Control	3
ACCT 30153	Financial Reporting I	3
MANA 40153	Strategic Management	3

ACCT 40163: for BIS, SVCM, MARK, ENTR and MANA majors

ACCT 30153 will satisfy core requirements for ACCT, FINA and Finance Real Estate Majors.

MANA 40153 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 with the exception of FINA 30153, which must be taken in advance.)

Students must complete a tentative plan for graduation to be filed with appropriate forms in the Neeley Academic Advising Center, preferably by the second semester junior year.

## D. Major Course Requirements: 21-27 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 6 hours of writing emphasis courses in their major, with the exception of finance majors, who require 9 hours. Writing emphasis courses are designated in the Neeley School of Business major programs section.

## E. Free Electives

Credits hours will vary depending on choice of major(s). See an academic adviser in the Neeley Academic Advising Center for more information, particularly if selecting more than one major or a major and an emphasis or minor.

## Accounting

Accounting is the international language of business and 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 these organizations to evaluate management performance and to make investing, lending, regulatory and other decisions. Accounting majors are well versed in the preparation, use and limitations of accounting information, and they understand business at a fundamental level. Moreover, they offer knowledge and skills that successful 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.

Those students wishing to pursue a career in accounting are encouraged to apply to the Professional Program in Accounting (PPA) offered by the Department of Accounting. To be a candidate for the MAC degree, students must be accepted into the PPA. This program seamlessly integrates the BBA program with the Neeley School's Master of Accountancy (MAC) degree. The PPA program and the MAC degree complement the educational experience of the BBA accounting major by providing the additional accounting and business knowledge as well as

professional development needed by successful public accounting professionals.

Students completing both the BBA and MAc degrees fulfill all the educational requirements to sit for the Uniform CPA Examination in Texas.

## Accounting, BBA

### The accounting major requires 21 semester hours

#### Specific Course Requirements (21 semester hours)

ACCT 30153	Financial Reporting I	3
ACCT 30163	Cost Analysis and Control	3
ACCT 30253	Financial Reporting II	3
ACCT 30303	Principles of Taxation	3
ACCT 30273	Audit and Assurance	3
ACCT 40223	Accounting Information Systems	3
ACCT 40253	Financial Reporting III	3

Free electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours.

## Business Information Systems

Organizations increasingly seek to recognize the opportunities and risks of what has been called the next industrial revolution - digital transformation. How can executives understand and leverage the rapidly changing technologies of social media, the internet of things, mixed reality, blockchain and analytics tools? With the collaborative insight and support of IT executives, we have designed our curriculum to prepare our BIS students to successfully participate in and ultimately lead the projects designed to engage customers, enhance products, streamline processes, and provide new services enabled by new technologies. Students learn to analyze the business, to design and develop techniques, and to analyze data, leading to the capstone where students combine their experiences to take a real-world project. Our BIS graduates then apply this experience in joining consulting practices, technology firms, and technology departments to start their careers.

## Business Information Systems, BBA

### The BIS major requires 21 semester hours

#### Specific Course Requirements (18 semester hours)

INSC 30723	Systems Planning and Process Analysis	3
INSC 30823	Data Management for Business Information Systems	3
INSC 30833	Business Information Systems Development	3
INSC 30853	Fundamentals of Cybersecurity	3
INSC 40813	Business Information Systems Capstone	3
INSC 40843	Business Intelligence and Analytics	3

Note: INSC 30273 Machine Learning for Fintech may be substituted for INSC 40843. INSC 30283 Artificial Intelligence for Fintech may be substituted for INSC 30833.

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

INSC 30863	Global Digital Innovation	3
INSC 40383	Intelligent Enterprise Systems	3

Free Electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours

## Entrepreneurship and Innovation

The entrepreneurship and innovation major offers a unique combination of specialization and generalization in the study of entrepreneurship and innovation. To remain viable, nearly all new and established organizations require some degree of innovation, and most demand both an entrepreneurial perspective and a skill set for success. Whether it be assembling resources, recruiting and retaining top talent, designing a business model, developing new products or services, generating and communicating a compelling vision, managing relationships within the company and throughout the value chain, transitioning the business through various stages of growth, or navigating an uncertain future, effective leadership entails a combination of entrepreneurial thinking and innovative action. The entrepreneurship and innovation major prepares students to identify and exploit business opportunities, launch their own business, grow an existing business, assist others in starting or running a business, or contribute to entrepreneurial and innovative activities in an established organization. Career opportunities for those with strong skills in entrepreneurship and innovation are diverse since most for-profit and not-for-profit organizations require entrepreneurial and innovative capabilities. Career possibilities include business owner, manager of a family business or entrepreneurial company, member of an innovation team, analyst for a venture capital or private equity firm, team leader within a research and development unit of an organization, management consultant, economic development officer, and director of a not-for-profit business.

## Entrepreneurship and Innovation, BBA

### The entrepreneurship and innovation major requires 21 semester hours

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

ENTR 30303	Entrepreneurial Leadership	3
ENTR 30533	Entrepreneurial Opportunity Recognition	3
ENTR 40143	New Venture Development	3
ENTR 40243	Raising Entrepreneurial Capital	3

ENTR 30533 and ENTR 40143 have a writing emphasis

**In addition, the student must complete a minimum of 9 semester hours from the following electives with at least 3 semester hours from entrepreneurship and innovation and no more than 6 semester hours from another department.**

ENTR 30543	Entrepreneurial Innovation & Creativity	3
ENTR 40233	Family Business	3
ENTR 40313	Social Entrepreneurship	3
ENTR 40333	Corporate Entrepreneurship	3
ENTR 40970	Special Problems in Entrepreneurship and Innovation	1-6
FINA 30303	Insurance	3
INSC 30723	Systems Planning and Process Analysis	3
INSC 40303	Demand Planning and Management	3
INSC 40323	Procurement/Supply Management	3
MANA 40203	Managing People and Human Resources	3
MANA 40223	International Management	3
MANA 40633	Principles of Negotiation	3
MARK 30113	Marketing Research	3
MARK 40223	Exceptional Service Experiences	3
MARK 40243	Product Innovation and Brand Management	3

Free electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 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 \$1 million stock and bond portfolio.

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 job opportunities in finance. Finance careers include corporate financial management, commercial banking, investment brokerage, portfolio management, investment banking and insurance.

### Finance, BBA

## The finance major requires 24 semester hours

### Specific Course Requirements (18 semester hours)

FINA 30203	Money and Banking	3
FINA 30213	Investments I	3
FINA 30233	Investments II	3
FINA 40153	Advanced Financial Management	3
ACCT 30153	Financial Reporting I	3
ACCT 30253	Financial Reporting II	3

FINA 30203 and FINA 30213 have a Writing Emphasis.

### In addition, the student must complete 6 semester hours from the following:

FINA 30223	Financial Modeling	3
FINA 30303	Insurance	3
FINA 30313	Real Estate Principles	3
FINA 30623	Real Estate Valuation	3
FINA 40183	Educational Investment Fund	3
FINA 40193	Educational Investment Fund	3
FINA 40313	Management of Financial Institutions	3
FINA 40533	Topics in Applied Financial Analysis	3
FINA 40603	Real Estate Law	3
FINA 40613	Real Estate Finance and Investment Analysis	3
FINA 40623	International Finance	3
FINA 40703	International Finance Study Abroad	3
ACCT 30303	Principles of Taxation	3

Free electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours.

## Finance BBA with 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 27 semester hours

### Specific Course Requirements (24 semester hours)

FINA 30203	Money and Banking	3
FINA 30213	Investments I	3
FINA 30233	Investments II	3
FINA 40153	Advanced Financial Management	3
FINA 30313	Real Estate Principles	3
FINA 30623	Real Estate Valuation	3
FINA 40613	Real Estate Finance and Investment Analysis	3
ACCT 30153	Financial Reporting I	3

FINA 30203 and FINA 30213 have a Writing Emphasis.

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

FINA 30223	Financial Modeling	3
FINA 30303	Insurance	3
FINA 40183	Educational Investment Fund	3
FINA 40193	Educational Investment Fund	3
FINA 40313	Management of Financial Institutions	3
FINA 40533	Topics in Applied Financial Analysis	3
FINA 40603	Real Estate Law	3
FINA 40623	International Finance	3
FINA 40703	International Finance Study Abroad	3
ACCT 30303	Principles of Taxation	3

Free electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours.

## Finance/Accounting Double Major

### Finance majors may double major in accounting by taking the following additional courses: (15 semester hours)

ACCT 30163	Cost Analysis and Control	3
ACCT 30273	Audit and Assurance	3
ACCT 30303	Principles of Taxation	3
ACCT 40223	Accounting Information Systems	3
ACCT 40253	Financial Reporting III	3

## Management

The management major offers a unique combination of specialization and generalization in the study of management and leadership. Nearly all activity in for-profit and nonprofit organizations involves some form of management, and most demands a leadership mindset for success. Whether it be managing people, money, information systems, raw materials, or finished products, managers are required to make decisions, bridge divergent perspectives, and communicate effectively; in short, they must exercise strong leadership and problem-solving skills on a daily basis. The management major provides opportunities to explore the range of skills employed by today's leaders, including strategic planning, conflict management, negotiation, team building, critical thinking, creative problem-solving, human capital management, international management, and organizational analysis and change. Career opportunities for those with strong management and leadership

skills are among the most diverse because they are required in virtually all organizations. These capabilities also complement technical skills acquired in other functional areas.

## Management, BBA

### The management major requires 21 semester hours

#### Specific Course Requirements (15 semester hours)

MANA 30313	Leader Development	3
MANA 30323	Organizational Analysis and Problem-Solving	3
MANA 40203	Managing People and Human Resources	3
MANA 40213	Team Dynamics	3
MANA 40633	Principles of Negotiation	3

MANA 30323 and MANA 40203 have a writing emphasis.

**In addition, the student must complete a minimum of 6 semester hours from the following electives, with at least 3 hours of MANA courses. Upon request, course recommendations will be provided for specific career paths (e.g. consulting or human resources).**

MANA 40223	International Management	3
MANA 40323	Organizational Research and Consulting	3
MANA 40343	Leading a Diverse Workforce	3
ENTR 30543	Entrepreneurial Innovation & Creativity	3
ENTR 40333	Corporate Entrepreneurship	3
FINA 30223	Financial Modeling	3
INSC 30723	Systems Planning and Process Analysis	3
MARK 30303	Design Thinking	3
COMM 30103	Argumentation and Debate	3
ECON 30223	Intermediate Microeconomics	3
ECON 40133	Labor Economics	3
GEOG 30323	Data Analysis and Visualization	3
MANA 40970	Special Problems in Management	1-6

\*\*\*Students may not get credit for MARK 30303 AND ENTR 30543

Free electives: Note that these required and elective courses may not be offered every semester. Students should consult their academic advisor in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours.

## Marketing

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 half the cost of most products and services can be attributed to marketing.

## Marketing, BBA

### The marketing major requires 21 semester hours

#### Specific Course Requirements (9 semester hours)

MARK 30113	Marketing Research	3
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MARK 30243	Customer Insights	3
MARK 40203	Marketing Strategy	3

MARK 30243 and MARK 40203 have a Writing Emphasis.

**In addition, the student must complete 12 semester hours from the following electives. Upon request, course recommendations will be provided for specific career paths.**

MARK 30233	Marketing Analytics	3
MARK 30253	Sports and Entertainment Marketing	3
MARK 30303	Design Thinking	3
MARK 40030	Senior Honors Research Paper	1-3
MARK 40103	Digital and Social Media	3
MARK 40213	International Marketing	3
MARK 40223	Exceptional Service Experiences	3
MARK 40233	Marketing Communication	3
MARK 40243	Product Innovation and Brand Management	3
MARK 40263	Foundations of Selling	3
MARK 40273	Consultative Selling	3
MARK 40970	Special Problems in Marketing	1-20
INSC 40323	Procurement/Supply Management	3

Free electives: Students should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 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 firm's boundaries 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, BBA

### The supply and value chain management major requires 22 semester hours

#### Specific Course Requirements

INSC 30321	Supply Chain Seminar	1
INSC 30723	Systems Planning and Process Analysis	3
INSC 40303	Demand Planning and Management	3
INSC 40313	Logistics and Transportation	3
INSC 40323	Procurement/Supply Management	3
INSC 40343	Supply Chain Strategy	3
INSC 40353	Global Supply Chain Management	3
INSC 40383	Intelligent Enterprise Systems	3

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 should consult their academic adviser in the Neeley Academic Advising Center to determine the number of elective hours needed to reach 120 total hours.

## Neeley School of Business Special Programs

### BNSF Neeley Leadership Program

The BNSF Neeley Leadership Program is a three-year leadership development experience for Neeley School undergraduates. Its focus is on leadership development specifically within the business school major.

Innovative courses, coaching, community service projects and co-curricular activities provide students a range of opportunities to learn about themselves and develop their leadership skills. The mission of the program is to prepare Neeley students to become tomorrow's leaders in the business world.

The BNSF Neeley Leadership Program consists of five leadership courses (15 credit hours) that help students learn more about leadership and themselves as leaders. The first class, Foundations of Leadership, focuses on leading oneself. It is grounded in a principle-centered model of leadership and underscores the impact that character has on the ability to earn followers. The second course, Interpersonal Leadership Skills, focuses on critical leadership capabilities and teaches skills that are foundational for success in formal and informal leadership positions. The third course, Team Leadership Skills, focuses on specific skill sets that help increase effectiveness when working collaboratively. The fourth course, The Leadership Challenge, focuses on the application of leadership knowledge and competency in leading change. The fifth course, Leading in a Complex World, prepares students to transition from school to the workplace by developing an understanding of the complexity of business and societal contexts in which leadership occurs. In the final semester of the program, students refine and hone their skills through weekly developmental labs.

### Consultative Selling Certificate

The consultative selling certificate is open to both business and non-business majors. The goal of the certificate is to provide an area of expertise in consultative selling so that the student is prepared for a greater number of career opportunities and gains more flexibility. The designation of a consultative selling certificate provides such students with additional evidence of subject matter expertise. The certificate requires 12 semester hours of coursework. Once a student matriculates at TCU, all coursework in the consultative selling certificate must be completed at TCU.

Space in the program is competitive and limited. For more information on the selection process and application dates see the TCU Sales Center website on the Neeley TCU page. A minimum GPA of 2.75 is necessary to apply.

#### Required Courses (12 semester hours)

MARK 30153	Marketing Management	3
	OR	
MARK 30653	Principles of Marketing	3
MARK 40263	Foundations of Selling	3
MARK 40273	Consultative Selling	3
MARK 40770	Sales Practicum	1.5

MARK 40770 is a 1.5 hour course that is repeated over two semesters for course credit.

To graduate with a certificate in consultative selling, students must obtain a minimum GPA of 2.50 in courses making up the certificate.

### FinTech Certificate

The Fintech Certificate is being offered in recognition of a set of technologies disrupting not only the financial industry but the financial marketplace overall. While this certificate develops strong technical skills learned in the context of finance, no prior technology education is assumed and the only requirements for registering for the first fintech

class is completion of INCS 20263 and admittance into the Neeley School of Business. Those obtaining the certificate will either pursue careers assisting with the development of cutting-edge technologies or will assist companies as an analyst or consultant in lending deep insight into decision-making around these technologies. Those students completing the three classes will learn programming (e.g., Python, R) frameworks to build blockchain databases (used for cryptocurrencies, smart contracts, etc.), predictive models (e.g., asset pricing or loan defaults), and AI agents (e.g., robo-advisors to suggest financial portfolio allocation).

#### Required Courses (9 semester hours)

INSC 30263	Introduction to Blockchain	3
INSC 30273	Introduction to Machine Learning	3
INSC 30283	Introduction to Artificial Intelligence	3

### 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 \$1 million in assets of the William C. Conner Foundation. Participants in the Educational Investment Fund do intensive analysis of stocks and bonds and make buy-and-sell decisions.

The program is equated 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 the program over the last 25 years, and they now represent a worldwide network of potential contacts.

### Neeley Fellows Program

The Neeley Fellows Program aims to educate and develop undergraduates of extraordinary potential with curricular and co-curricular experiential learning opportunities to effect change in the global community.

Neeley Fellows is a three-year, cohort based academic program challenging the top business students to stretch beyond their already competitive undergraduate coursework. The program promotes development of enhanced business skills as well as professional development and career exploration.

Neeley Fellows has a close relationship with the John V. Roach Honors College. The unique learning opportunities students receive through the John V. Roach Honors College complement the curricular and co-curricular mission of Neeley Fellows. We therefore require all current and prospective Neeley Fellows to seek admission to the John V. Roach Honors College and to complete the lower-and upper-division Honors College requirements to graduate as an Honors Laureate. Many Honors College requirements can be satisfied through the Neeley Fellows curriculum.

The courses in Neeley Fellows focus mainly on satisfying the Neeley School's lower and upper division core requirements to ensure that the program creates no complications for the timely completion of graduation requirements in any major. The Neeley Fellows curriculum include the following courses:

- ACCT 20353 - Fundamentals of Accounting
- MARK 30153 - Marketing Management
- MANA 20153 - Legal Environment of Business
- FINA 30153 - Financial Management
- MANA 30153 - Organizational Management
- INSC 40970 - Business Analytics
- BUSI 30383 - Global Business with an Ethical Lens with International travel (optional)
- BUSI 40970 - Special Problems in Business: ESG in Business

## Neeley Premium Credentials

*A designation of distinction earned by completing a customized development path pursuing the best practices of business professionals.*

Professional development is an integral part of the Neeley experience that begins with the application process. The Neeley admissions approach provides students a base of professional skills in interviewing, networking, teamwork; and professional polish. Following admittance, students are eligible to earn Neeley Premium Credentials.

Once enrolled in Neeley Premium Credentials, students create a personalized professional development blueprint. By updating the blueprint each semester, the students outline skill areas that support achieving personal and professional goals. To foster accountability, a professional development coach (trained upperclassman or graduate student) is assigned to each student. Coaches provide guidance and encouragement as students engage in activities that build the skills identified in their blueprint. It's not uncommon for the relationship between a student and coach to develop into a mentorship.

Blueprint activities generally include clarifying self-awareness through personal assessments and feedback from others, conducting informational interviews to explore career choices and broaden professional networks, securing an internship related to industry or career interests, and applying skills in a capstone experience. The timing for when these experiences occur during the junior and senior years depends on a student's major, program involvement, career path; and current development.

Students who maintain an updated blueprint throughout their junior and senior years, complete at least one internship, and follow through on the professional development activities refined with their coach are recognized for earning Neeley Premium Credentials.

## Professional Program in Accounting

The Professional Program in Accounting (PPA) is an integrated program designed to prepare students for professional careers as accounting/finance professionals. The program is intended to be a three-year program, with students entering early in their junior year and continuing through the completion of both a Bachelor's in Business Administration (BBA) and a Master of Accounting (MAc). However, application and entry to the PPA is possible at any point an individual is committed to earning a MAc.

The PPA program has several components:

- Personal assessment, branding and development of career goals and education for accounting/finance career paths
- Preparation for optional internship, recruiting and placement
- Events and networking opportunities necessary to launch and manage a successful professional career.

## 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 Neeley School of Business by completing the requirements outlined by the department in which the minor is offered. Students should check with the Neeley Academic Advising Center to see if any additional paperwork is required.

### Accounting Minor

Students majoring in business or economics 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, economics, entrepreneurship and innovation, finance (finance with real estate emphasis), managing people and organizations, 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. The accounting minor is an ideal choice for finance majors wishing to provide evidence of a strong accounting background without the additional audit-focused coursework a double major requires. 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 20353	Fundamentals of Accounting	3
ACCT 30153	Financial Reporting I	3
ACCT 30163	Cost Analysis and Control	3
ACCT 30253	Financial Reporting II	3
ACCT 30303	Principles of Taxation	3
FINA 30153	Financial Management	3

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 or economics 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, economics, entrepreneurship and innovation, managing people and organizations, 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 (12 semester hours)

ACCT 30153	Financial Reporting I	3
FINA 30153	Financial Management	3
FINA 30203	Money and Banking	3
FINA 30213	Investments I	3

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

FINA 30223	Financial Modeling	3
FINA 30233	Investments II	3
FINA 40153	Advanced Financial Management	3
FINA 40183	Educational Investment Fund	3
FINA 40193	Educational Investment Fund	3
FINA 40533	Topics in Applied Financial Analysis	3
FINA 40613	Real Estate Finance and Investment Analysis	3
FINA 40623	International Finance	3

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

## Global Business Minor

Business students may complement their major in accounting, business information systems, entrepreneurship and innovation, finance, (finance with real estate emphasis), managing people and organizations, marketing, and supply and value chain management by declaring a global business minor. 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. The global business minor may not be added to majors outside the Neeley School.

Minimum number of hours required: 18

#### Part I: Neeley School Courses (at least 9 hours)

**Required: Successful completion of:**

BUSI 30383	Global Business with an Ethical Lens	3
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**Required: 6 hours from the following courses:**

FINA 40623	International Finance	3
MANA 40223	International Management	3
MARK 40213	International Marketing	3
INSC 40353	Global Supply Chain Management	3

**Part II: International Awareness Courses (at least 6 semester hours)**

Students must complete a minimum of 6 semester hours of non-business, non-foreign language courses with an international focus. The courses must have a "Global Awareness" designation if taken on campus or other international courses approved by the Neeley School of Business Director of International Programs and be in addition to their TCU core requirements.

**Part III: Language Familiarity**

The student must be familiar with at least one language other than English. For students whose primary language is English, proficiency in a second language must be demonstrated through completion of a second-semester foreign language class (or its equivalent) taught at TCU.

Students whose second language is other than those taught at TCU 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**

The student must complete at least 6 credit hours in a Study Abroad course approved by the Neeley School.

## Business Double Majors

### Accounting Major Requirements

Accounting majors may double major in finance by taking 15 additional hours.

**12 hours of the following required courses:**

FINA 30213	Investments I	3
FINA 30203	Money and Banking	3
FINA 30233	Investments II	3
FINA 40153	Advanced Financial Management	3

**3 hours from the following electives:**

FINA 30303	Insurance	3
FINA 40183	Educational Investment Fund	3
FINA 40193	Educational Investment Fund	3
FINA 40313	Management of Financial Institutions	3
FINA 40533	Topics in Applied Financial Analysis	3
FINA 40603	Real Estate Law	3
FINA 40623	International Finance	3

ACCT 30303, which is required for the Accounting major will fulfill one of the two course elective requirements for finance.

### Finance Major Requirements

**Finance majors may double major in accounting by taking four additional courses.**

ACCT 30163	Cost Analysis and Control	3
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ACCT 30303	Principles of Taxation	3
ACCT 30273	Audit and Assurance	3
ACCT 40223	Accounting Information Systems	3
ACCT 40253	Financial Reporting III	3

## Business Information Systems

**Business Information Systems majors may double major with Supply Chain Management by taking six additional courses.**

INSC 30321	Supply Chain Seminar	1
INSC 40303	Demand Planning and Management	3
INSC 40323	Procurement/Supply Management	3
INSC 40313	Logistics and Transportation	3
INSC 40353	Global Supply Chain Management	3

## Supply Chain Management

**Supply Chain Management majors may double major in Business Information Systems by taking five additional courses:**

INSC 30823	Data Management for Business Information Systems	3
INSC 30833	Business Information Systems Development	3
INSC 40813	Business Information Systems Capstone	3
INSC 40843	Business Intelligence and Analytics	3
INSC 30853	Fundamentals of Cybersecurity	3

Business students may earn an additional bachelor's degree in a field outside the Neeley School by completing the requirements outlined under Additional Bachelor's Degree in the Bachelor's Degree section of this catalog.

## General Business Minor for Non-Business Majors

Students completing majors outside 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 21 semester hours of coursework. Once a student matriculates at TCU, all coursework in the general business minor must be completed at TCU. None of the courses may be taken as P/NC.

**Required Courses (21 semester hours)**

ECON 10223	Introductory Microeconomics	3
ACCT 20653	Introduction to Accounting	3
FINA 30653	Financial Planning	3
INSC 30653	Supply Chain Management	3
MARK 30653	Principles of Marketing	3
MANA 30653	Survey of Management	3
ENTR 40653	Survey of Entrepreneurship	3

ECON 10223 is a prerequisite to ACCT 20653, MANA 30653, and MARK 30653. ECON 10223 may be applied to both an economics major and a general business minor.

ACCT 20653 with a grade of "C" or better is a prerequisite to FINA 30653; INSC 30653; and ENTR 40653.

Minimum GPA: To declare a general business minor, students must have: a minimum TCU cumulative GPA of 2.5 and sophomore standing, and have completed at least one full semester at TCU. To graduate with a general business minor, students must obtain a minimum GPA of 2.5 in courses making up the minor.

Students who earned credit for ACCT 20353 prior to declaring the general business minor may substitute that course for ACCT 20653 in the minor requirements.

## Entrepreneurship and Innovation Minor for Non-business Majors

Students completing majors outside the Neeley School may pursue a minor in entrepreneurship and innovation (E&I) for non-business majors. Students cannot simultaneously double minor in both E&I and general business. Students majoring in business are not eligible for the E&I minor. The goal of the E&I minor is to provide students in other disciplines with a broad knowledge of entrepreneurship. It includes core concepts in economics and accounting as well as core classes in opportunity recognition and new venture development. Electives are meant to serve as contexts for entrepreneurship.

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

Admission to the E&I minor for on-business majors is limited and competitive. Admission is via an application process and student are admitted on a rolling basis. Students outside the Neeley School of Business interested in pursuing the minor must submit an online application.

Minimum requirements for admission to the program: Students wishing to declare an entrepreneurship and innovation minor must: (1) have sophomore standing, (2) have completed at least one full semester at TCU with a minimum overall GPA of 3.00 and a TCU cumulative GPA of 3.00

### Required Courses (12 semester hours)

ECON 10223	Introductory Microeconomics	3
ACCT 20653	Introduction to Accounting	3
ENTR 30533	Entrepreneurial Opportunity Recognition	3
ENTR 40143	New Venture Development	3

ECON 10223 is a prerequisite to ACCT 20653. ACCT 20653 must be completed with a grade of C- or better. ACCT 20353 may be substituted for ACCT 20653.

### Entrepreneurship Elective Courses (3-6 hours)

E&I minors may take any upper division ENTR electives to complete their 6 elective hours required for the E&I minor. Alternatively, E&I minors may elect to take 1 upper division ENTR elective and 1 course approved by the Entrepreneurship and Innovation Department from their home TCU college. For 2019-2020, there were 21 courses from the other TCU units approved by the Entrepreneurship & Innovation Department.

ACCT 20653 with a grade of "C" or better is a prerequisite to FINA 30653; INSC 30653; and ENTR 40653.

Minimum GPA: To declare a general business minor, students must have: a minimum TCU cumulative GPA of 2.5 and sophomore standing, and have completed at least one full semester at TCU. To graduate with a general business minor, students must obtain a minimum GPA of 2.5 in courses making up the minor.

Students who earned credit for ACCT 20353 prior to declaring the entrepreneurship and innovation minor may substitute that course for ACCT 20653 in the minor requirements.

## Energy and Business Minor

The minor is intended for any major wishing to also minor in energy business. 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 below. Nine credits must be upper level (30000 and above).

No more than two courses from any program or department listed below may count for this minor. No grade lower than "C" may be applied to the minor. Any course substitutions or exceptions must be approved by the program adviser.

## Requirements

The program of study requires 18 semester hours, with a grade of C or better in each class, selected from the options below:

### Business

ENTR 30773	Entrepreneurship and Energy	3
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### Geography

GEOG 30323	Data Analysis and Visualization	3
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### Environmental Science

ENSC 10143	Contemporary Environmental Issues	3
ENSC 30143	Introduction to Sustainability Science	3
ENSC 50523	Introduction to Geographic Information Systems	3
ENSC 50333	Energy Development and Wildlife Conservation	3

### Engineering

ENGR 40303	Petroleum Industry Overview	3
ENGR 30113	Energy in Society	3
ENGR 40213	Sustainable Energy	3

### Economics (only one 10000 level course from this group)

ECON 30523	Resource and Energy Economics	3
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### Geology

GEOL 10113	Understanding the Earth	3
GEOL 40423	Petroleum Engineering	3
GEOL 50563	Energy and Natural Resources	3
GEOL 50423	Petroleum Geology	3
GEOL 50523	Introduction to Geographic Information Systems	3

### Physics

PHYS 10503	Energy	3
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### Energy Technology and Management

ENTM 40970	Directed Studies in Energy Technology and Management	1-3
ENTM 40803	Advanced Readings in Energy	3
ENTM 40903	Energy Internship	3

# Bob Schieffer College of Communication

The role of communication in the 21st century is an integral part of TCU's educational mission. Nearly 1,200 students in the Bob Schieffer College of Communication are pursuing degrees in journalism, strategic communication, communication studies, sports broadcasting, and film, television and digital media. The academic programs of the college exact an appropriate balance between professional training and liberal arts studies. Relatively small classes enable the faculty to give attention to the work of each student.

The college comprises four departments — the departments of Communication Studies, Film, Television and Digital Media, Journalism and Strategic Communication — and offers a range of study.

## Department of Film, Television and Digital Media

Production

Industry

Critical Studies

Sports Broadcasting

## Department of Communication Studies

Organizational Communication

Interpersonal Communication

Public Speaking

Communication Theory and Research

## Department of Journalism

Journalism

## Department of Strategic Communication

Strategic Communication

Advertising

Integrated Communications

Public Relations

## Bob Schieffer College of Communication Student Organizations

Fraternities and Sororities

Kappa Tau Alpha (Journalism Honor Society)

Lambda Pi Eta (Communication Studies National Honor Society)

## Clubs

Student Film Association

## Professional Organizations

Society of Professional Journalists

American Advertising Federation

Public Relations Student Society of America

## Bob Schieffer College of Communication Degrees

The Schieffer College of Communication offers both the Bachelor of Arts and the Bachelor of Science degrees.

Students pursuing a Bachelor of Arts degree must complete a minimum of 120 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 number of hours required for the major and minor can 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 Bob Schieffer College of Communication must demonstrate competency in a foreign language equivalent to completion of one of the following:

## Foreign Language Requirement:

### Complete one of the following

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3
FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

This requirement can be met either by satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (AP, CLEP or SAT II). Required scores on standardized tests are in the Credit by Exam booklet available from the Office of Admission. For languages not currently taught at TCU, 6 semester hours at the sophomore level, transferred 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 credit hours.

### Multiple Majors, Minors and/or Degrees

Students may concurrently pursue more than one of the degrees, majors or minors offered by the Bob Schieffer College of Communication. However, students must complete all required courses and overall hours for each of those majors and minors, and no course from one major or minor can be counted toward the other major or minor including, courses specified in the core curriculum as particular to that degree and major.

Students who pursue an additional major 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 Schieffer College of Communication whose home college permits an additional major in the College must complete all degree requirements for the additional major, including courses specified in the core curriculum for that particular degree and major.

Double degrees, when at least one is in the Schieffer College require a minor to be completed as part of the degree requirements, as approved by the Schieffer College dean's office.

### 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 Communication before enrolling. The College of Communication adheres to University policy regarding transfer credit.

### Pass/No-Credit Policy

Students may take up to two courses (8 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 P/NC. 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

The Intent to Graduate form, available online and from the Office of the Dean, should be filed when 84 hours of course credit have been completed. The form can be found at <https://schieffercollege.tcu.edu/intent-to-graduate-form/>

Approval of the department chair and associate dean is required in contract form for all non-traditional courses (special problems, independent study, research problems, etc.). Per University policy,

students wishing to pursue independent study must receive all 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.

## Bachelor of General Communication

A program leading to a Bachelor of General Communication degree is available for students whose educational goals might not be realized by traditional majors within the Schieffer College of Communication.

### Requirements

#### The Bachelor of General Communication requires:

1. **PRIMARY EMPHASIS:** At least 30 hours of primary coursework in the Schieffer College (e.g., COMM, FTDM, JOUR, or STCO prefixes) (at least 21 hours taken at TCU) with a C- or higher, with at least 18 hours in one department. (Note: student is responsible for applicable prerequisites), and at least 9 hours at the upper level.
2. **SECONDARY EMPHASIS:** An additional minimum 18 hours of coursework as either a minor or an area of emphasis. If the minor or area of emphasis is in the Schieffer College, those hours cannot also count towards the primary emphasis.
3. Satisfaction of all other TCU Bachelor degree requirements.
4. Approval of the Schieffer College Associate Dean for Undergraduate Studies and not declared any sooner than when 75 undergraduate hours are completed.

## Health Communication and Media Minor

The Bob Schieffer College of Communication's Health Communication and Media minor gives students a background in the theories, research and practice of health communication as both a discipline and possible career path.

The minor is 18 hours, six 3-credit courses (five must come from the required list and one may come from the elective list). A grade of C 2.0 or better is required in all minor HCOM courses, and all must be taken for a grade. P/NC is not allowed.

### Required Courses

HCOM 10313	Foundations of Health Communication	3
HCOM 20313	Interpersonal Health Communication	3
HCOM 20303	Health, Communication & Media	3
HCOM 30313	Health Communication in the 21st Century	3
HCOM 40933	Health Communication Campaigns	3

The student must include one 3-credit course from the list below or approved by the minor administrator to count towards the HCOM minor (any prerequisites must be satisfied if present, unless waived by the department offering the course).

ANTH 30533	Happiness: Culture, Economics, and Being	3
ANTH 30373	Medical Anthropology	3
ECON 30503	Health Economics	3
ENGL 20713	Literature and Medicine	3
HCOM 40970	Health Communication Special Topics	1-20
POSC 31423	Health Care Policy	3
PSYC 30373	Organizational Psychology	3
STCO 36433	Social Change	3
SOCI 20223	Social Problems	3

## Department of Communication Studies

A degree in communication studies will serve the academic and career objectives of a variety of students. As a vital component of a liberal arts education, competence in oral communication is a requirement for most positions in business and industry. A major in communication studies provides an understanding of the interpersonal and public communication processes needed for careers in teaching, research, or business organizations as well as a foundation for further professional or academic study. Students also develop competencies in public speaking, listening, interviewing and group communication as well as everyday human relations.

Students may declare a major in communication as an incoming first-year student, transfer student, or by requesting a change of major through the TCU Registrar's office. In order to declare the major, current TCU students must be in good standing with the University, including an overall GPA of at least a 2.0.

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 the student declares 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 COMM 10163.

All courses counted toward a major or minor in communication studies must have a grade of "C-" or better.

## Honors College

Communication studies majors who plan to pursue departmental honors must be members of the Honors College and should take COMM 30003 their junior year and COMM 40003 their senior year. Honors students should consult with the department chair concerning additional guidelines.

## Communication Studies Degrees

The Department of Communication Studies offers the Bachelor of Science (BS) degree.

## Communication Studies, BS

### Requirements

**The BS with a major in communication studies consists of 120 semester hours with 36 hours in communication studies, including the four required courses:**

COMM 10123	Communicating Effectively	3
	OR	
COMM 10163	Public Address (Honors)	3
COMM 20113	Interpersonal Communication	3
COMM 20223	Communication Theory	3
COMM 30163	Organizational Communication	3

Students pursuing the BS degree must also complete 9 hours of 40000 level COMM electives. All four required courses must be completed prior to enrolling in 40000 level courses. Students must also complete: MATH 10043 or INSC 20153 with a grade of "C-" or higher.

Note: Students also must complete COMM 20113 and COMM 20223 with a combined GPA of 2.5 to take COMM 30163. Students must complete COMM 30163 with a grade of "C-" or higher prior to taking any 40000 level courses.

Additional requirements include a minor of 18 semester hours or a second major, plus core curriculum requirements.

## Communication Studies Minor

**A minor requires 18 semester hours, including**

COMM 10123	Communicating Effectively	3
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OR

COMM 10163	Public Address (Honors)	3
COMM 20113	Interpersonal Communication	3
A sequence of approved courses		

Approved Courses: a minimum of 6 hours of approved courses must be at the 30000 level or above.

Students may not receive credit toward the communication studies minor for both COMM 10123 and COMM 10163.

Students pursuing a minor in communication studies who are taking classes counting toward departmental requirements must take them for graded credit. Any courses completed in the department under the Pass/No-Credit Policy before the student declares communication studies as a minor will count as University electives but not toward the hour requirement to satisfy the minor.

## Department of Film, Television and Digital Media

The Department of Film, Television and Digital Media (FTDM) offers students a uniquely diverse and comprehensive array of courses designed to prepare its graduates to be industry leaders, creative contributors and/or impactful scholars in arguably the most pervasive and influential field of the 21st century. The department offers three majors:

1. Cinema and Media Studies, BA: In this scholarship- and research-oriented sequence, students practice the critical analysis of visual media (including film, television, streaming video, social media, and virtual reality), with the goal of understanding how we are continuously influenced and shaped, as a culture and as individuals, by the media texts that have become essential components of our everyday lives;
2. Film, Television, and Digital Media, BS/BA: In this sequence, students combine various production courses with offerings in critical studies and industry studies to prepare them for success in the competitive and increasingly global media industries;
3. Sports Broadcasting, BS/BA: In this sequence, students acquire the technical skills to produce sports programs at the professional level as well as the analytical skills to understand and articulate the social and cultural roles sports events play in countries around the globe.

State-of-the-art department resources include HD studios, soundstages, professional editing suites, a green screen studio, a campus radio station and a full complement of HD field production and grip equipment. The Gwendolyn P. Tandy Memorial Film Library houses more than 15,000 titles.

### John V. Roach Honors College

Film, Television and Digital Media majors, Cinema and Media Studies majors or Sports Broadcasting majors who plan to pursue departmental honors must be members of the Honors College and should enroll in FTDM 30003 Honors Tutorial during their junior year and FTDM 40003 Honors Research Tutorial during the fall semester of their senior year.

### Transfer Students

Transfer students are not guaranteed admission to the majors offered by the department. All students completing a major offered by the Department of Film, Television and Digital Media, including transfer students, must successfully complete the FTDM introductory courses and fulfill all remaining requirements with a "C" or better in order to graduate. Potential sports broadcasting majors, including transfer students, must apply for, and be granted, acceptance into the major (see sports broadcasting program requirements section (p. **Error! Bookmark not defined.**)). Transfer students must submit a written request if they wish the department to consider accepting any substitutes for FTDM 10113, FTDM 10123 History or Film or FTDM 10143 Introduction to Film and TV Aesthetics. Requests will be considered on an individual basis.

### Internships

An active, supervised internship program 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 or Fort Worth-Dallas or in their hometowns. FTDM internships are required for sports broadcasting majors and available to film, television and digital media

majors and cinema and media studies majors and prerequisites apply. Contact the department for policies and procedures.

### Study Abroad

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

## Cinema and Media Studies Program, BA

### Requirements

Students wishing to major in cinema and media studies must complete the following requirements for graduation:

- A minimum of 120 semester hours overall, including at least 42 hours earned at the 30000 level or above
- TCU Core Curriculum requirements
- A minimum of 31 semester hours in the FTDM major courses, including at least 12 hours at the 30000 level or above
- A minor of at least 18 hours; all requirements of the minor department must be followed
- A grade of "C" or better in all courses taken in the FTDM department
- FTDM 10113 History of Broadcasting; FTDM 10123 History of Film; FTDM 10143 Introduction to Film and Television Aesthetics; FTDM 30103 Media Analysis; FTDM 49003 Capstone Project; FTDM 40901 Senior Seminar.

**Students pursuing the BA degree must demonstrate competency in a foreign language equivalent to completion of one of the following:**

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3
FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

*This requirement can be met either by satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (AP, CLEP or SAT II). Required scores on standardized tests are in the Credit by Exam booklet available from the Office of Admission. For languages not taught at TCU, 6 semester hours at the sophomore level, transferred to TCU from another accredited institution, will 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 credit hours.*

## It is strongly recommended that Cinema and Media Studies majors complete their course requirements in this order:

### Step One: Departmental Core Requirements (9 hours)

FTDM 10113	History of Broadcasting	3
FTDM 10123	History of Film	3
FTDM 10143	Introduction to Film and Television Aesthetics	3

### Step Two: Additional Foundational Course (3 hours)

FTDM 30103	Media Analysis	3
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**Step Three: Complete five critical studies courses (15 hours)**

Cinema and Media Studies majors must complete 15 hours selected from the following courses.

FTDM 30410	Film and Television Genres	3
FTDM 30433	American Cinema	3
FTDM 30453	Crime Films and Society	3
FTDM 30463	Media Decades	3
FTDM 30473	History in the Movies	3
FTDM 30483	Media Authorship	3
FTDM 30593	Television, Culture and Society	3
FTDM 30643	British Cinema and European Culture	3
FTDM 30983	Women in Television and Film	3
FTDM 40440	Topics in Film	3
FTDM 40570	Topics in Television	1-3
FTDM 40623	World Cinema	3
FTDM 40643	Media and Popular Culture	3
FTDM 40653	Popular Music and the Recording Industry	3
FTDM 40663	Contemporary Media	3
FTDM 40683	Film Theory and Criticism	3

**Step Four: Additional Requirements (4 hours)**

FTDM 49003	Capstone Project	3
FTDM 40901	Senior Seminar in Film, Television, and Digital Media	1

(to be taken in the last semester of the senior year).

Responsibility for knowing course prerequisites lies with the student. Students who wish to apply for "permission of instructor" or "permission of department" to take a class must submit a written request prior to registration. The department does not guarantee that all who wish to enroll in these classes will be accepted.

## Film, Television and Digital Media Program, BS/BA Requirements

Students wishing to major in film, television and digital media must complete the following requirements for graduation:

- A minimum of 120 semester hours overall, including at least 42 hours earned at the 30000 level or above
- TCU Core Curriculum requirements
- A minimum of 37 semester hours in the FTDM major courses, including at least 12 hours at the 30000 level or above
- A minor of at least 18 hours; all requirements of the minor department must be followed
- A grade of "C" or better in all courses taken in the FTDM department
- FTDM 10113 History of Broadcasting; FTDM 10123 History of Film; FTDM 10143 Introduction to Film and Television Aesthetics; FTDM 20113 Pre-Production; FTDM 20313 Production; FTDM 30313 Post-Production; FTDM 20523 Business of Media; FTDM 30103 Media Analysis; FTDM 40901 Senior Seminar.

**Students pursuing the BA degree must demonstrate competency in a foreign language equivalent to completion of one of the following:**

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3

FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

*This requirement can be met either by satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (AP, CLEP or SAT II). Required scores on standardized tests are in the Credit by Exam booklet available from the Office of Admission. For languages not taught at TCU, 6 semester hours at the sophomore level, transferred to TCU from another accredited institution, will 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 credit hours.*

## It is strongly recommended that FTDM majors complete FTDM major courses in this order:

**Step One: Departmental Core Requirements**

FTDM 10113	History of Broadcasting	3
FTDM 10123	History of Film	3
FTDM 10143	Introduction to Film and Television Aesthetics	3

**Step Two: Additional Foundational Courses (21 hours)****Production**

FTDM 20113	Pre-Production	3
FTDM 20313	Production	3
FTDM 30313	Post-Production	3

**Industry**

FTDM 20523	Business of Media	3
FTDM	Any other FTDM industry course (3 hours)	3

**Critical Studies**

FTDM 30103	Media Analysis	3
FTDM	Any other FTDM critical studies course (3 hours)	3

**Step Three:**

Complete any combination of two additional FTDM production, industry or critical studies courses.

*Note: FTDM open electives may not be used to fulfill FTDM major requirements.*

**Step Four:**

Complete FTDM 40901 Senior Seminar (1 semester hour) in the last semester of the senior year.

Responsibility for knowing course prerequisites lies with the student. Students who wish to apply for "permission of instructor" or "permission of department" to take a class must submit a written request prior to registration. The department does not guarantee that all who wish to enroll in these classes will be accepted.

## Sports Broadcasting Program, BS/BA

The Department of Film, Television and Digital Media offers a major in sports broadcasting. Admission to the major is by competitive application and is not guaranteed.



Each year more students apply to the sports broadcasting program than can be accommodated by existing faculty and facilities. In order to provide a personal and quality educational experience, the department must limit undergraduate admission through competitive application.

Applications are accepted each spring (only) for admission to the major the following fall. Students interested in applying for admission into the sports broadcasting major should contact the Department of Film, Television and Digital Media for additional information and to obtain application instructions. Admission to the major is separate from admission to the University; admission to the University does not guarantee admission to the major.

## All sports broadcasting majors must complete for graduation:

- A minimum of 120 semester hours overall, including at least 42 hours at the 30000 level or above
- TCU Core Curriculum requirements
- A minimum of 37 semester hours in sports broadcasting, including at least 12 hours at the 30000 level or above
- A grade of "C" or better in all courses taken in the department
- FTDM 10113 History of Broadcasting; FTDM 20213 Video Production for Sports; FTDM 20523 Business of Media; FTDM 21113 Sports Broadcasting; FTDM 21713 Introduction to Remote Sports Production; FTDM 40901 Senior Seminar
- A minor of at least 18 hours; all requirements of the minor department must be followed

**Students pursuing the BA degree also must demonstrate competency in a foreign language equivalent to completion of one of the following:**

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3
FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

*This requirement can be met either by satisfactory completion of coursework taken at or transferred to TCU or by presenting satisfactory scores on recognized standardized tests (AP, CLEP or SAT II). Required scores on standardized tests are in the Credit by Exam booklet available from the Office of Admission. For languages not taught at TCU, 6 semester hours at the sophomore level, transferred from another accredited institution, will satisfy this requirement. Students also may prove 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 credit hours.*

It is strongly recommended that sports broadcasting majors complete their course requirements in the following order:

### Step One: Sports Broadcasting Prerequisites

FTDM 10113	History of Broadcasting	3
FTDM 21113	Sports Broadcasting	3
FTDM 21713	Introduction to Remote Sports Production	3

### Step Two: Sports Broadcasting Core Requirements

FTDM 21213	Video Production for Sports	3
FTDM 20523	Business of Media	3

### Step Three: Sports Broadcasting Production Courses

Complete four of the following:

FTDM 21513	Sports Radio	3
FTDM 31713	Remote Sports Production	3
FTDM 31723	Producing and Directing Live Sports	3
FTDM 31733	Audio Production for Sports: Television and Radio	3
FTDM 41113	Sports Play-by-Play	3
FTDM 41333	Post-Production for Sports	3
FTDM 41383	Sports Documentary Production	3

### Step Four: Sports Broadcasting Industry and Analysis Courses

Complete two of the following:

FTDM 30573	TV Programming	3
FTDM 30613	Media Franchising and Branding	3
FTDM 30823	Digital Distribution	3
FTDM 40223	Entertainment Law and Finance	3
FTDM 40503	Media Industry Law and Regulation	3
FTDM 40523	Management for Broadcast, Cable, and Film	3
FTDM 41580	Topics in Sports Media	3
FTDM 41713	Global Sports Media	3

### Step Five: Additional Requirements

Students must complete both of the following courses:

FTDM 30860	Internship in Film, Television, and Digital Media	1-3
FTDM 40901	Senior Seminar in Film, Television, and Digital Media	1

FTDM 30860 requires a minimum of 3 hours.

FTDM 40901 to be taken in the last semester of senior year.

Responsibility for knowing course prerequisites lies with the student. Students who wish to apply for "permission of instructor" or "permission of department" to take a class must submit a written request prior to registration. The department does not guarantee that all who wish to enroll in these classes will be accepted.

## Film and Media Studies Minor Requirements

**The minor in film and media studies requires 18 hours, including**

FTDM 10143	Introduction to Film and Television Aesthetics	3
FTDM 30103	Media Analysis	3

**The remaining 12 hours must be taken from the following list. At least 6 hours must be upper level (30000 or above).**

**Students are responsible for meeting all prerequisites.**

FTDM 10053	Survey of Film	3
FTDM 10073	Media Adaptations	3
FTDM 30410	Film and Television Genres	3
FTDM 30433	American Cinema	3
FTDM 30453	Crime Films and Society	3
FTDM 30463	Media Decades	3
FTDM 30473	History in the Movies	3
FTDM 30483	Media Authorship	3

FTDM 30593	Television, Culture and Society	3	FTDM 20313	Production	3
FTDM 30643	British Cinema and European Culture	3	FTDM 30313	Post-Production	3
FTDM 30663	Film in a Global Society	3	FTDM 20510	Radio Broadcasting on KTCU	1-3
FTDM 30983	Women in Television and Film	3	FTDM 30153	Dramatic Style and Structure	3
FTDM 40440	Topics in Film	3	FTDM 30203	Audio Theory and Practice	3
FTDM 40570	Topics in Television	1-3	FTDM 30213	Advanced Video Production	3
FTDM 40623	World Cinema	3	FTDM 30223	Cinematography	3
FTDM 40643	Media and Popular Culture	3	FTDM 30243	Directing	3
FTDM 40653	Popular Music and the Recording Industry	3	FTDM 30353	Theory and Practice of Film Acting	3
FTDM 40663	Contemporary Media	3	FTDM 30393	Motion Graphics: Special Effects	3
FTDM 40683	Film Theory and Criticism	3	FTDM 30510	Radio Programming, Promotions, and Advanced Operations on KTCU	1-3

Minors in film and media studies must achieve the following minimum academic requirements as a prerequisite to enroll in FTDM courses:

- A grade of "C" or better in all courses taken in the department

## Film, Television and Digital Media Course Subcategories

### Critical Studies Courses

FTDM 30103	Media Analysis	3
FTDM 30410	Film and Television Genres	3
FTDM 30463	Media Decades	3
FTDM 30483	Media Authorship	3
FTDM 30593	Television, Culture and Society	3
FTDM 30643	British Cinema and European Culture	3
FTDM 40003	Senior Honors Research Paper	3
FTDM 40440	Topics in Film	3
FTDM 40570	Topics in Television	1-3
FTDM 40623	World Cinema	3
FTDM 40643	Media and Popular Culture	3
FTDM 40663	Contemporary Media	3
FTDM 40683	Film Theory and Criticism	3
FTDM 50400	Advanced Studies in Radio, Television, and Film	3-6

### Industry Courses

FTDM 20523	Business of Media	3
FTDM 30573	TV Programming	3
FTDM 30613	Media Franchising and Branding	3
FTDM 30663	Film in a Global Society	3
FTDM 30813	TV Number Ones	3
FTDM 30823	Digital Distribution	3
FTDM 40223	Entertainment Law and Finance	3
FTDM 40503	Media Industry Law and Regulation	3
FTDM 40513	Topics in Media Industry Studies	3
FTDM 40523	Management for Broadcast, Cable, and Film	3
FTDM 40773	Media in Britain	3
FTDM 45113	Producing	3

### Production Courses

FTDM 20113	Pre-Production	3
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FTDM 40153	Dramatic Writing	3
FTDM 40210	Topics in Production	3
FTDM 40383	Documentary Production	3

### Sports Broadcasting Courses

FTDM 21213	Video Production for Sports	3
FTDM 21113	Sports Broadcasting	3
FTDM 21513	Sports Radio	3
FTDM 21713	Introduction to Remote Sports Production	3
FTDM 30860	Internship in Film, Television, and Digital Media	1-3
FTDM 31713	Remote Sports Production	3
FTDM 31723	Producing and Directing Live Sports	3
FTDM 31733	Audio Production for Sports: Television and Radio	3
FTDM 41113	Sports Play-by-Play	3
FTDM 41333	Post-Production for Sports	3
FTDM 41383	Sports Documentary Production	3
FTDM 41580	Topics in Sports Media	3
FTDM 41713	Global Sports Media	3

### Open Electives

These courses have no prerequisites and are open to all students. Several of these courses fulfill core curriculum requirements. FTDM majors/minors and sports broadcasting majors may take them as general electives.

FTDM 10013	TV Studies for Non-Majors	3
FTDM 10053	Survey of Film	3
FTDM 10073	Media Adaptations	3
FTDM 10433	Freshman Seminar in Film, Television, and Digital Media	3
FTDM 30433	American Cinema	3
FTDM 30453	Crime Films and Society	3
FTDM 30473	History in the Movies	3
FTDM 30983	Women in Television and Film	3
FTDM 40653	Popular Music and the Recording Industry	3

## Department of Journalism

The mission of the Department of Journalism is to educate journalism students to think and act as responsible professionals and ethical citizens in a global community. The Department of Journalism helps

students develop competencies that prepare them for employment and advanced studies. It seeks to create skilled professional communicators who understand their social, legal and ethical responsibilities in a rapidly changing media landscape that connects societies around the world.

The degree program in the department prepares students to communicate to diverse audiences in a free society through critical thinking, analytical writing, real-time reporting and compelling multi-media presentations.

Founded in 1927, the Department of Journalism requires versatility and performance. The Department of Journalism is one of 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 U.S. public and private universities are accredited by the council. The department fully subscribes to ACEJMC's revised guidelines (2021) that substantial hours be taken outside journalism classes and department in order to create a curriculum that exposes students to "well-rounded liberal arts and science education" and maintain a "balance between professional skills and liberal arts and science."

Experiential learning is emphasized through a vibrant student media, hosted internships and coursework that include real-life assignments with commercial media. An internship at the Washington Center is offered to a select group of students in the fall semester of their senior year.

Students majoring in **journalism** should master the elements of written, oral and visual presentation of the news, as well as understand the First Amendment in a democracy and the ethical standards that accompany the gathering and distribution of news. This includes theory, history and concepts of journalism, as well as practical skills.

Classes in which journalism skills are taught and practiced are limited to 15 students. Classes that address reporting specialties such as **public affairs, business, visual and sports journalism** often have fewer students and are platform-agnostic. Through other courses, students are encouraged to use their enthusiasm for a subject, such as politics or the arts, in their assignments.

Through the skills classes emerges a portfolio, or body of work, that becomes the basis for graduates entering the job market. As part of their coursework, students produce professional-quality newscasts in the school's high-definition broadcast journalism studio and practice real-time journalism in the Department of Journalism Convergence Center. First-year students are encouraged to volunteer for student media.

Journalism professors and instructors have both academic credentials and professional experience. The faculty profiles include authors of highly acclaimed books and scholarly research, experienced industry specialists and professors of professional practice, tenured and tenured-track professors, communication journal editors, and editorial board members, Emmy Award winner, a lawyer and specialist on freedom of information issues. Full professors teach entry-level courses in the journalism major. We have a diverse faculty in terms of race, gender, and other fault lines.

Specialization in storytelling techniques is supported by faculty, but not before the future journalist is exposed to newsgathering skills across online, print and video platforms. This focus on cross-training is a distinction of the school.

Students must develop the ability to write clearly, distinctively and correctly. The first writing course, JOUR 10113, has a grammar/spelling/punctuation module that must be passed with a "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. Skills courses must be taken sequentially.

No course applied to the student's major, minor or associated requirement may be taken on a pass/no-credit basis. Journalism courses taken in those sequences must be passed with "C" (2.0) or better to fulfill prerequisite requirements for any journalism course and for graduation requirements for the majors or minors. Note: A "C-" (1.67) does not meet that requirement.

Professional organizations that have chapters affiliated with the Department of Journalism include the Society of Professional Journalists (SPJ), National Association of Black Journalists (NABJ) and National Association of Hispanic Journalists (NAHJ). The department also has a chapter of Kappa Tau Alpha, the national honor society for journalism students.

Journalism majors are eligible for the endowed Jay Milner Distinguished Student Journalism Award for work in TCU student media, with amounts of up to \$1,000.

Journalism majors are encouraged to complete their core journalism courses in their first year, especially those foundational courses which should be taken in the first semester i.e. JOUR 10113 (Media Writing and Editing) and JOUR 10203 (Introduction to Journalism).

## Declaring Journalism as a Major

Incoming first-year and transfer students may declare journalism as a major upon entering the University. Students of sophomore standing or above who wish to declare a major offered by the Department of Journalism must have achieved a TCU cumulative GPA of 2.5 before they can declare a major inside the school. A journalism minor is offered through the school.

## Honors College

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

## Journalism Degrees

The Department of Journalism offers Bachelor of Arts and Bachelor of Science degrees in journalism.

## Journalism, BA

The BA with a major in journalism requires 120 hours with 33 hours of journalism, including JOUR 10113, JOUR 10203, JOUR 10303, JOUR 20003, JOUR 30204, JOUR 40523 and JOUR 40983. Students must take at least one class from the following: JOUR 40203, JOUR 40453, JOUR 40463, JOUR 40643, or JOUR 40820, meaning all journalism majors must have a minimum of one upper-level reporting course. Also, students must take at least one class from the following: JOUR 30853, JOUR 40443, JOUR 40553, JOUR 40563, JOUR 40573, JOUR 40613, JOUR 40813, JOUR 40993, JOUR 50143, JOUR 50183, JOUR 50193 or JOUR 50523, meaning all journalism majors must have a minimum of one seminar course. Five hours of journalism electives complete the degree requirements. By combining electives and required courses, a student may earn a certificate that accompanies the BA degree and demonstrate advanced proficiency in a specific area of news media.

The BA degree in journalism requires proven competency at the fourth semester of college-level foreign language (the equivalent of 12 hours, which can be accomplished either through taking courses or testing out through examinations as required by the foreign language programs on campus). This requirement is consistent with international opportunities in emerging media.

A minor is required. Additionally, students may pursue a specialty by fulfilling requirements for a certificate in broadcast journalism.

Students must declare their intent to earn a broadcast journalism certificate in the semester in which they intend to graduate and prior to the beginning of academic advising in that semester. Declaration is made in writing to the chair or the chair's designee.

## Certificate requirements

**Broadcast certificate** - Choose 6 credit hours, or two courses from this list:

JOUR 30303, JOUR 40203, JOUR 40553

## Requirements

### Required Courses for All Journalism Majors

JOUR 10113	Media Writing and Editing	3
JOUR 10203	Introduction to Journalism	3
JOUR 10303	Introduction to Visual Journalism	3
JOUR 20003	Diversity and the Media	3
JOUR 30204	Reporting	4
JOUR 40523	Law and Ethics of Mass Communication	3
JOUR 40983	Multi-Platform Capstone	3

JOUR 10113, JOUR 10203, JOUR 10303, JOUR 20003 must be passed with a "C" or better before enrolling in Reporting, a required course. See prerequisites for other required 30000- and 40000- level courses.

**In addition, all journalism majors must complete at least one of the following upper-level reporting classes:**

JOUR 40203	Advanced News Production	3
JOUR 40453	Business Journalism	3
JOUR 40463	Public Affairs Reporting	3
JOUR 40643	Long-Form Journalism	3
JOUR 40820	Washington Internship	1-6

**All journalism majors must complete at least one of the following seminar classes**

JOUR 30853	Historical Development of Mass Media	3
JOUR 40443	Issues in Coverage of Business and the Economy	3
JOUR 40493	Opinion and Commentary	3
JOUR 40553	Issues in News	3
JOUR 40563	Media Management	3
JOUR 40573	Contemporary Issues in Sports Journalism	3
JOUR 40613	Media Ethics	3
JOUR 40813	Media in Washington	3
JOUR 40993	Mass Media and Society	3
JOUR 50143	Social and Cultural History of the Media	3
JOUR 50183	Management and Leadership	3
JOUR 50193	Economics and Finance of the Media	3
JOUR 50523	Information Law and Policy	3

**Other journalism courses required for certificates:****Broadcast journalism**

JOUR 30303	News Production	3
JOUR 40203	Advanced News Production	3
JOUR 40553	Issues in News	3

Choose 6 credit hours, or two courses from this list.

## Journalism, BS

The BS with a major in journalism requires 120 hours with 39 hours of journalism, including JOUR 10113, JOUR 10203, JOUR 10303, JOUR 20003, JOUR 30204, JOUR 40523 and JOUR 40983. Students must take at least one class from the following: JOUR 40203, JOUR 40453, JOUR 40463, JOUR 40483, JOUR 40643, or JOUR 40820, meaning all journalism majors must have a minimum of one upper-level reporting course. Also, students must take at least one class from the following: JOUR 30853, JOUR 40443, JOUR 40553, JOUR 40563, JOUR 40613, JOUR 40813, or JOUR 40993, meaning all journalism majors must have a minimum of one seminar course. Eleven hours of journalism electives complete the degree requirements.

A minor is required. Additionally, students may pursue a specialty by fulfilling requirements for a certificate in broadcast journalism.

## Requirements

**Required Courses for All Journalism Majors**

JOUR 10113	Media Writing and Editing	3
JOUR 10203	Introduction to Journalism	3
JOUR 10303	Introduction to Visual Journalism	3
JOUR 20003	Diversity and the Media	3
JOUR 30204	Reporting	4
JOUR 40523	Law and Ethics of Mass Communication	3

JOUR 40983	Multi-Platform Capstone	3
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JOUR 10113, JOUR 10203, JOUR 10303, JOUR 20003 must be passed with a "C" or better before enrolling in Reporting, a required course. See prerequisites for other required 30000- and 40000-level courses.

**In addition, all journalism majors must complete at least one of the following upper-level reporting classes:**

JOUR 40203	Advanced News Production	3
JOUR 40453	Business Journalism	3
JOUR 40463	Public Affairs Reporting	3
JOUR 40483	Sports Journalism	3
JOUR 40643	Long-Form Journalism	3
JOUR 40820	Washington Internship	1-6

**All journalism majors must complete at least one of the following seminar classes:**

JOUR 30853	Historical Development of Mass Media	3
JOUR 40443	Issues in Coverage of Business and the Economy	3
JOUR 40493	Opinion and Commentary	3
JOUR 40553	Issues in News	3
JOUR 40563	Media Management	3
JOUR 40573	Contemporary Issues in Sports Journalism	3
JOUR 40613	Media Ethics	3
JOUR 40813	Media in Washington	3
JOUR 40993	Mass Media and Society	3

**Other journalism courses required for certificates:****Broadcast Journalism**

JOUR 30303	News Production	3
JOUR 40203	Advanced News Production	3
JOUR 40553	Issues in News	3

Choose 6 credit hours, or two courses from this list.

## Journalism Minor

The Department of Journalism welcomes minors in journalism who are committed to significant journalism instruction while they specialize in majors that educate them in broad subject areas that may relate to news coverage.

Students should recognize that it takes a minimum of four semesters to complete the journalism minor due to course prerequisites. Journalism minors are encouraged to complete their core journalism courses in their first year, especially those foundational courses which should be taken in the first semester i.e. JOUR 10113 (Media Writing and Editing) and JOUR 10203 (Introduction to Journalism).

Students are strongly encouraged to become active in TCU student media.

**22 hours in journalism, including**

JOUR 10113	Media Writing and Editing	3
JOUR 10203	Introduction to Journalism	3
JOUR 10303	Introduction to Visual Journalism	3
JOUR 20003	Diversity and the Media	3
JOUR 30204	Reporting	4
JOUR 40523	Law and Ethics of Mass Communication	3

**One upper-level reporting course from this list:**

JOUR 30303	News Production	3
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JOUR 40453	Business Journalism	3
JOUR 40463	Public Affairs Reporting	3
JOUR 40473	Specialized Reporting	3
JOUR 40483	Sports Journalism	3
JOUR 40493	Opinion and Commentary	3
JOUR 40643	Long-Form Journalism	3

Meaning all journalism minors must have at least one specialized reporting course and be enrolled in JOUR 30204 before enrolling in any elective course in the Department of Journalism.

## Journalism Residence Requirement

Once a student is enrolled at TCU, they must take courses required for the journalism major and the journalism minor at TCU.

## Journalism Internships

Students are strongly encouraged to pursue internships with newspapers, online news outlets, radio or television stations, magazines, public relations or advertising agencies, and corporate departments dedicated to external and internal communications. An intern director assists students in locating and qualifying for internships. Academic credit is available for successfully completed internships with prior approval. Intern credit is available only to journalism and strategic communication majors. The Department of Journalism cooperates on intern placement with corporations, media organizations, lobbying firms, government entities and professional societies in journalism, advertising and public relations. The department also offers an internship in its Schieffer College in Washington.

## Bob Schieffer College of Communication in Washington

The Schieffer College in Washington, D.C. was established in 2010 for exemplary juniors and seniors in journalism and strategic communication. Students must have at least a 3.0 GPA and apply during the previous academic year. The program provides for full-time internships in Washington media organizations such as CBS News, POLITICO, National Geographic and the Center for Strategic and International Studies. Students earn additional academic credits in courses taught by TCU's academic partner, The Washington Center. Students become among the best prepared interns in Washington, D.C., by taking a special TCU course called Media in Washington on site.

## Student Media

The all-digital, real-time multimedia news organization TCU 360 operates via traditional internet, tablet, smartphone and social media. Complementing TCU 360 are the **TCU Skiff**, the weekly campus newspaper; **TCU News Now**, providing weekly television newscasts and daily updates; **TCU Sports Now**, a long-form weekly television sportscast; and **Image** magazine, an award-winning long-form journalism publication. Students also deliver news content for **KTCU-FM**.

In addition to creating content for the online, print and broadcast operations, students also create and sell advertising to support student media.

## Department of Strategic Communication

The Department of Strategic Communication is **TCU's home for advertising and public relations**. Strategic communication students learn to think strategically and create effective, innovative, and responsible stories about brands and organizations, solving real-world communication challenges. In learning the theories and methods of advertising, public relations, and new media to meet the strategic goals of organizations, strategic communication students gain the tools and skills they need to succeed in the job market and in life.

The strategic communication major emphasizes experiential learning. Students learn to conduct research; write and create content for print, broadcast, online and mobile platforms; design; choose channels to place messages; and evaluate effectiveness. They have various opportunities to apply what they learn with real-world corporate, public,

and nonprofit clients in classes and through dedicated experiential opportunities, including:

- Roxo, the vibrant student-run strategic communication agency, which services real-world clients through paid and pro bono work;
- National advertising and public relations campaign competitions, including the American Advertising Federation (AAF) National Student Advertising Competition (NSAC) and the Public Relations Student Society of America (PRSSA) Bateman Competition;
- internships; and
- American Advertising Federation (AAF) and Public Relations Student Society of America (PRSSA) chapters affiliated with the Department of Strategic Communication.

Individual students, teams, and Roxo — the student-run advertising and public relations agency — regularly earn recognition in national, regional, and local competitions, including Greater Fort Worth PRSA's Worthy Awards, the AAF Fort Worth Addy Awards, the National Student Advertising Competition, and the Bateman Competition.

Most strategic communication graduates pursue careers in advertising or with public relations agencies, corporations, government agencies, nonprofit groups, health care groups, sports teams or consulting firms. Others enter graduate school or specialized, pre-professional programs.

### Admission to the major

Students may declare a major in strategic communication as an incoming first-year or transfer student prior to orientation. Any students wishing to join strategic communication after their first-year or transfer orientation must apply to the major.

Admission to the strategic communication major requires multiple steps.

Entering first-year students who declare strategic communication as their major prior to the start of orientation sessions (typically the end of May), are automatically admitted to the major. They must complete the application process during summer orientation sessions (step 4 in the process). Once orientation sessions begin, all students, including first-year students, must apply to the major. Admission to the strategic communication major is competitive. As a result, students may be admitted to TCU but not to strategic communication if they are not accepted to the major through the application process. Students with more than 80 college credits will not be admitted to the major, whether internal or external transfers, because course sequencing in the major requires at least five long semesters to complete the major.

To be considered for admission to the Department of Strategic Communication, students must complete all of the following:

1. Based on type of student
  - a. INCOMING FIRST-YEAR STUDENTS: Entering first-year students, once admitted to TCU, may declare strategic communication as their major prior to the start of the orientation sessions (typically the end of May) and be directly admitted to the major in only the fall semester if they meet the following requirements: They must have completed no hours at TCU (except for hours awarded for AP or IB courses, or dual-credit hours awarded in high school through another university or college), and they must complete step 4 of the application process. Once TCU orientation sessions begin, first-year students must wait to apply to the major until the spring semester.
  - b. INTERNAL TRANSFER STUDENTS: An internal transfer student is one who is currently enrolled in another degree program at TCU. These students must have a 2.5 minimum overall TCU GPA (and should have a 3.0 GPA to be competitive).
  - c. EXTERNAL TRANSFER STUDENTS: The TCU Office of Admissions makes the decision on all transfer applicants. To be considered for provisional admission to the strategic communication major during the first semester after admission to TCU, students should have at least a 3.0 transfer GPA from a four-year institution and a 3.25 GPA from a two-year institution. If this GPA is in place and spaces are open in the gateway courses (STCO 23113 or STCO 23123) in the first semester, students may enroll in these courses after they have met with an academic adviser in the department and have completed step 4 of the process.
2. Applications to the major open within the first six weeks of each long semester. To receive dates and instructions for completing the application, please contact the department's main office at

stratcomm@tcu.edu or visit its website at <https://schieffercollege.tcu.edu/stratcomm/>.

Applicants will be required to:

- Independently complete a personal narrative about reasons for selecting the strategic communication major and another creative assignment
- Read and sign the Ethics and Professionalism Statement for the Department of Strategic Communication and provide basic information for departmental advising records
- Submit a resume and transcripts verifying the GPA (for internal and external transfer students only)

Completed applications will be evaluated by an application committee. Applicants will be notified by the Department once admission decisions have been rendered.

In the event of a formal appeal concerning the application process, the chair of the Department of Strategic Communication will appoint three faculty members in the department to review the appeal and report to the chair.

After admittance to the major, students must earn a C or higher and a combined 2.5 GPA in the two introductory courses, STCO 23113 and STCO 23123, before enrolling in additional strategic communication courses. Additionally, students must also complete MATH 10043 Statistics or INSC 20153 (or equivalent) with a C- or higher before enrolling in many of the advanced courses requiring this prerequisite. Students must earn a C or higher in each strategic communication course counted toward major degree requirements.

## Strategic Communication Degrees

The Department of Strategic Communication offers the Bachelor of Science degree and the Master of Science degree.

## Strategic Communication, BS

The Bachelor of Science with a major in strategic communication requires 120 hours with 40 hours in strategic communication. Students must earn a C or higher in each strategic communication course used to satisfy the major degree requirements. All strategic communication majors must complete the two gateway courses STCO 23113 (Advertising) and STCO 23123 (Public Relations) with a C (2.0) or higher and have a combined 2.5 GPA and must have completed MATH 10043 or INSC 20153 (or equivalent) with a C- or higher before enrolling in other required courses for the major. Strategic communication majors also must complete STCO 11103; STCO 16103; STCO 32403; STCO 35503; STCO 46403 or STCO 47403; STCO 45413 or STCO 47533; STCO 31423, 35413, 36403, or 41423; STCO 40901; STCO 48813; or STCO 48823 or STCO 48833 and 9 hours of STCO electives. No course applied to the student's major or associated requirement may be taken on a pass/no-credit basis. All skills courses must be taken sequentially.

A minor or second major in a discipline selected by the student and approved by a strategic communication adviser must be completed. Students must fulfill the requirements as prescribed by the department in which the minor or second major is taken. As an alternative, an area of emphasis consisting of 18 hours in a discipline selected by the student and approved by a strategic communication adviser may be completed.

### Required Courses for Strategic Communication Majors

STCO 11103	Writing and Editing	3
STCO 16103	Diversity	3
STCO 23113	Advertising	3
STCO 23123	Public Relations	3
STCO 32403	Design	3
STCO 35503	Research	3
STCO 40901	Senior Seminar	1

### One class from:

STCO 46403	Law	3
	OR	
STCO 47403	Ethics	3

### One Class from:

STCO 45413	Channel Planning	3
	OR	
STCO 47533	Case Studies	3

### One Class from:

STCO 31423	Strategic Writing	3
	OR	
STCO 35413	Creative Strategy	3
	OR	
STCO 36403	Digital Storytelling	3
	OR	
STCO 41413	Copywriting	3
	OR	
STCO 41423	Feature Writing	3

### Plus 9 hours of

STCO electives 9

### One Class From:

STCO 48833	Campaigns	3
	OR	
STCO 48813	Ad Competition	3
	OR	
STCO 48823	PR Competition	3

## Honors College

Candidates for departmental honors should take STCO 30003 their junior year and STCO 40003 their senior year.

## Department of Strategic Communication Internships

Students are strongly encouraged to arrange internships with public relations or ad agencies or departments in corporations dedicated to external and internal communications. An intern director assists students in locating and qualifying for internships. With prior approval, academic credit is available for successfully completed internships.

Additional information on internship policies and procedures is at <https://schieffercollege.tcu.edu/stratcomm/>.

## Roxo, Student-run Strategic Communication Agency

In Roxo, students gain hands-on work experience and apply their classroom learning to real-life communication challenges. Located inside an agency space in Moudy South, "Roxstars" work as brand strategists, account executives, copywriters, social media strategists, public relations specialists, creative directors, and designers.

Roxo's clients have included start-ups, US-based and international nonprofits, large businesses, and foundations. This social enterprise designed agency meets weekly to learn about agency operations, creative strategy, public relations, business strategy, pitching, and digital media. Students tour local advertising and public relation agencies and host many industry guest speakers throughout the semester.

Roxo is a three-credit, upper-level elective in the strategic communication major. Students must apply for admission. To be eligible, a student must be a junior or senior who has successfully completed the gateway courses and completed MATH 10043 Statistics or INSC 20153 (or equivalent) with a C- or higher plus four other courses in the major with a C or higher. Students may enroll in Roxo for up to three semesters, earning internship credit after the first semester of completed elective hours.

### About Roxo

Roxo Agency is a student-run full-service advertising and public relations agency located within the Bob Schieffer College of

Communication at Texas Christian University. Since 2011, Roxo has served more than 100 organizations and businesses across North Texas, winning numerous awards for creative work and innovative strategies. Nearly 400 students have been employed by the agency as "Roxstars," gaining hands-on industry experience, portfolio pieces, and experience that goes far beyond the classroom. Roxo is creativity for good @tcuroxo.

# College of Education

The mission of the College of Education at TCU is to prepare exemplary leaders for diverse educational settings and related fields who are reflective, ethical, innovative and committed to all learners. 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 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.

For the Teacher Education Program and in alignment 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 teaching 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, teacher education 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.

For undergraduate programs which do not lead to teacher certification, the college's core commitment to prepare professionals who are reflective, ethical and innovative in their efforts to create a humane and just society is evident throughout program coursework and experiences.

## Education Centers, Institutes and Laboratory Schools

### Center for Public Education and Community Engagement

The Center for Public Education and Community Engagement (CPECE) considers education a civil and human right, a public good, and both a process and a goal. Through education young people develop opportunities and civic competence. Many of society's problems (poverty, disenfranchisement, discrimination) manifest themselves in public schools. In the past these issues were most present in urban school settings, but they are now also found in suburban and rural areas. TCU's CPECE seeks to understand the complexity of public education at the system level and build connections with individual schools. Initiatives include:

- Aspiring Teacher's Program. Recruits high school students from underrepresented groups into the teaching profession.
- Anti-bullying and anti-bias workshop for TCU student teachers.
- College Advising Corps. Seeks to increase the number of low-income, first-generation and underrepresented Texas high school students earning a degree in the TCU College of Education.

### Andrews Institute of Mathematics & Science Education

The Andrews Institute of Mathematics and Science Education is a leader in the exploration, discovery, and application of innovative and effective approaches to mathematics and science education. We work cooperatively with the College of Education and College of Science & Engineering in our quest to serve the educational needs of faculty and students. We support and conduct research in mathematics and science education; prepare TCU mathematics and science education majors to be reflective, ethical, and innovative teachers committed to all learners; and recruit and support mathematics and science educators beyond our

campus. We hope these efforts will inspire people, especially those hitherto underrepresented, to choose careers in these disciplines. By embracing diverse viewpoints, methodologies, and populations, and outreach to the educational and general community alike, we believe that teaching and learning are made more accessible, relevant and effective; and that, through the expansion of mathematics and science literacy, society will be well served.

### Alice Neeley Special Education Research and Service Institute

The Alice Neeley Special Education Research and Service (ANSERS) Institute provides an environment for innovation and change in special education through exemplary teaching, creative research, and community outreach. The ANSERS Institute works in conjunction with the TCU laboratory schools – Starpoint and KinderFrogs – to create and coordinate activities, programs and research in special education.

The mission of the ANSERS Institute is to transform the quality of life and learning for students with disabilities and their families through evidence-based research and practice.

The ANSERS Institute's mission is carried out through the following four goals:

- Enhance the educational experience of TCU students who will become effective and ethical educators in the field of special education.
- Conduct research that will better meet the needs of children with disabilities and contribute to development of evidence-based practices in special education.
- Sponsor and participate in community outreach to enhance the inclusion of children and youth with disabilities and their families in school and community-based activities.
- Engage in advocacy activities to support and promote the development and delivery of exceptional services to children with disabilities.

### Starpoint and KinderFrogs Schools

The Laboratory Schools, Starpoint and KinderFrogs, in the college at TCU provide opportunities for TCU students in the fields of education, kinesiology, nursing, speech and language, and child development to engage in teaching, research and applied practice. The overarching goal of the Laboratory Schools is to provide an innovative learning environment for children with learning challenges and to inform the field of special education through research and innovative practices.

Starpoint School is an individualized academic program for children ages 6 to 12 with learning differences, which is committed to the ideal that all children can learn. Through innovative programming, children learn to compensate for their learning difficulties, build on their own strengths, develop a positive attitude about school and learning, and perform to the best of their capabilities as life-long learners.

KinderFrogs is a family-focused, early-intervention program that provides a developmentally appropriate educational environment for children with Down syndrome and other developmental delays. Through innovative programming, KinderFrogs School prepares children for success and independence in inclusive school and community settings.

## College of Education Degrees

The college offers the Bachelor of Science in Education (BSE) degree with majors in:

Early Childhood Education (Grades EC-6)

Generalist in EC-6 with TESOL and Special Education Options  
Bilingual

Generalist EC-6 with Special Education Option (Spanish)

Middle School Education (Grades 4-8)

Middle School Language and Literacy with TESOL Option  
Middle School Mathematics  
Middle School Social Studies



## Secondary Education (Grades 7-12)

- Secondary School Chemistry
- Secondary School Language and Literacy with TESOL Option
- Secondary School Social Studies
- Science Education
- Middle School Science (Grades 4-8)
- Secondary School Life Science (Grades 7-12)
- Secondary Math/Physics (Grades 7-12)
- Secondary School Physical Science (Grades 6-12)

Courses are also offered for those students wishing to prepare for Teaching English to Speakers of Other Languages (TESOL) which leads to Texas teacher certification in English as a Second Language (ESL). See English as a Second Language Supplemental Certificate.

The college offers the Bachelor of Science (BS) degree with a major in:

Youth Advocacy and Educational Studies (YAES)

The college offers Bachelor of Science (BS) and Bachelor of Arts (BA) degrees with a major in:

Interdisciplinary Inquiry (IINQ)

## Program Changes

Teacher education 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 College

Education majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in EDUC 30003: Honors Tutorial during their junior year and EDUC 40003: Honors Research Paper during the fall or spring semester of their senior year. With permission from an adviser, EDUC 30003: Honors Tutorial may substitute for EDUC 30123: Educational Psychology.

## Education Major, Double Major or Minor Declaration

Students may declare a major, double major or minor in education, but to be admitted into the college's Teacher Education Program, those se

- Entering students have no specific requirements to declare an education major but must have a 2.75 or better GPA to be admitted to the Teacher Preparation Program.
- All teacher education majors seeking teacher certification must maintain high professional standards and acceptable academic performance (a minimum 2.75 GPA overall and a "C-" or better in all content areas and education coursework).

Students who declare a major in Youth Advocacy and Educational Studies (YAES) or a minor in Educational Studies do not need to be admitted to the program, but do need to meet the following requirements:

- All students pursuing a minor in educational studies or a degree in youth advocacy and educational studies (YAES) must maintain high professional standards and acceptable academic performance (a minimum 2.00 GPA overall and a "C-" or better in education coursework).

Students who major in interdisciplinary inquiry (IINQ) must apply for admission to the program. To be eligible to apply for the programs, students must meet the following requirements:

- Students must have earned a TCU GPA at or above 3.0 and have earned at least 12, but not more than 66, semester hours credit. The eligibility of incoming transfer students (who lack a TCU GPA) will be considered on a case-by-case basis.

### Pass/No-Credit Policy

The University Pass/No-Credit Policy states that students may take up to two courses (8 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 count 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 their 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 earn a teaching certificate must formally apply for admission to the Teacher Education Program. They must meet, or will meet during the semester in which they apply, the minimum criteria. However, doing only the minimum does not ensure admission to the program. According to the criteria, students must:

- Complete a minimum of 54 semester hours of coursework with an overall GPA of 2.75 or higher.
- Complete the ethics training module required by the Texas Education Agency.
- Some programs require students to complete with a "C-" or better EDUC 20003 Critical Investigation: Teaching and Learning or EDEC 30103 Introduction to Early Childhood Education. See specific program details in "Education Majors, Minors and Certifications."
- Earn a C- or better in an oral communication (OCO) core course.
- Complete 12 hours of content area coursework or 15 hours if the certification sought is mathematics or science.
- Achieve a "C-" or better in all content areas and education courses taken prior to admission. See specific program details in "Education Majors, Minors and Certifications."
- Meet expectations for professional educator dispositions-screening report
- Demonstrate high professional, ethical, and relational standards of behavior, appropriate emotional control, and communication (oral, written, technological) with adults, children and fellow students.
- Attach a current (within one year) criminal record check.
- Attach FERPA Agreement.
- Preparation Program Fee, as required by 19 TAC 229.9(7). The fee will appear on your TCU student account.

Students applying for admission to the Teacher Education Program should do so by March 1 for fall admission and Oct. 1 for the spring. Late applications will be considered on a space-available basis. Eligibility to apply does not ensure admission to the program. The Admissions Committee will consider minimum criteria, as well as student performance (professional attitude, demeanor, abilities and preparation) and space in the program.

Any exception to these admission standards must be approved by the program faculty and the college dean and/or the college's Texas Education Agency approved educator preparation program designee.

Prior to admission to the Teacher Education Program, students may take a number of pre-admission education courses. See specific program details in "Education Majors, Minors and Certifications." Teacher education majors may not register for any other education courses until admitted to the college's Teacher Education Program.

### Criminal Record Search

In accordance with Texas Senate Bill 9 and at the request of the State Board of Educator Certification, 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 clinical teaching.

### Liability Insurance

As students enter public and private schools for observations, tutoring, after-school programs and clinical 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. Liability insurance is offered at low cost to teachers-in-training who belong to a teacher organization such as the TCU chapter of the Texas Student Education Association (TSTA-NEA), which covers liability insurance, costs of defending claims and some attorney fees. Other teacher organizations in the state — ATPE, UEA, AFT — offer similar coverage.

### Teacher Education Program Retention

Students must maintain acceptable academic performance (a minimum 2.75 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 clinical teaching. The college 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.

1. First, the faculty member fills out the APPW form describing the concerns and indicating potential solutions.
2. A conference between the student and two faculty members is required. The parties discuss the student's understanding of the problem and agree on a course of action. The APPW contract is signed by the student and faculty members. If the student fails to respond or attend a conference, the faculty will complete the form and notify the student via certified mail.
3. The completed form is signed by the appropriate department chair, submitted to the associate dean, the student and TCU Dean of Students.
4. Any student receiving three notices through this process may be considered for dismissal from the College of Education. In an unusually severe situation, a single notice may result in dismissal from the Teacher Education Program and/or the college. These notices do not become part of a student's permanent academic record.

### Clinical (Student) Teaching Admission

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

- Completion of all content area and education coursework with a minimum 2.75 GPA and no grade lower than a "C-";
- A minimum overall TCU GPA of 2.75;
- Completion and documentation of all field-based coursework and hours. (TAC §228.35 (e)(1)(A&B));
- Successful completion of Senior Seminar EDEC/EDUC 30001: Professional Practice Seminar; and
- Demonstration of high professional, ethical and relational standards of behavior, appropriate emotional control, and communication (oral, written and technological) with adults, children and fellow students.

Applications for clinical teaching are due by February 1 for fall clinical teaching and September 1 for spring clinical teaching. The Teacher Education Program admissions committee will consider minimum criteria, as well as student performance (professional attitude, demeanor, abilities and preparation). Any exception to these clinical teaching standards must be approved by the program faculty and the college dean and/or the college's Texas Education Agency approved educator preparation program designee.

### Accelerated Master's Option

The accelerated master's option is for high-achieving undergraduate students enrolled in the College of Education. This option is available only to TCU undergraduates obtaining a baccalaureate degree in early childhood (EC-6), middle school or secondary education, or a baccalaureate degree in youth advocacy and educational studies. The accelerated option allows outstanding students to complete a bachelor's degree with the Master of Education (MEd) in five years. Students are eligible to apply for admission to the graduate program during the semester they complete 90 hours of undergraduate coursework. To be considered for admission to the accelerated master's option, students must submit a graduate program application packet. Only candidates demonstrating superior undergraduate academic performance and having strong recommendations are considered for admission.

Students intending to pursue an accelerated master's option should make their plans known as early as possible; to their faculty adviser in the college. If admitted to an accelerated master's program, students complete up to 12 hours of the Med program during the fourth year of undergraduate study. Candidates must work with their advisers to determine how the courses they take will apply to the undergraduate degree. During their senior year, they complete the following classes:

#### EC-6 Undergraduate Major

EDSP 55663	Learner Centered Teaching: Families	3
EDUC 55980	Advanced Clinical Teaching	6

#### Middle/Secondary Undergraduate Major

EDSP 55663	Motivating and Managing Students in the Classroom	3
EDUC 55980	Advanced Clinical Teaching	6

#### Youth Advocacy and Educational Studies Undergraduate Major

EDUC 55003	Diversity in American Education	3
YAES 55510	Internship: Youth Advocacy and Educational Studies	6

At the end of the fourth year, assuming all other graduation requirements are met, the student earns the baccalaureate degree. In the fifth year, including summer, the student completes the remaining semester hours toward the MEd degree. Students will complete 9 hours of core courses, 12 hours from the Teaching and Learning emphasis (including EDMS/SE 51103 Educational Assessment), and 15 hours from content area specialization as described under the Traditional Master's Option.

*Note: No more than 15 hours of 50000-level classes may be applied toward a master's degree.*

### Certification

To obtain Texas teacher certification at TCU, students must complete the Teacher Education Program in the college and achieve a BSE degree.

After graduation, TCU will recommend the student to the state of Texas for teacher certification upon completion of the following requirements:

- Conferred BSE degree from the college
- Successful completion of the Teacher Education Program, including the clinical teaching experience
- Passing scores on the required state certification exams
- Final GPA of 2.75 with a "C- "or better in education and content area coursework
- Demonstration of ethical behavior, bot professionally and personally, as outlined by the TEA Educator Code of Ethics while enrolled in the Texas Education Program

### Texas Examination of Educator Standards (TExES)

All Teacher Education Program graduates applying for Texas teacher certification must pass Texas Educator Examination of Educator Standards (TExES) assessments. Examination requirements vary by certification area(s) being sought. Contact the college Director of Accreditation, Certification and Assessment for details. Students who fail to take the appropriate TExES examinations within three years of program completion must present documentation of completion of TExES review or additional coursework prior to receiving permission to test or re-test

To be eligible to take the TExES certification exam, students must pass the practice representative exams, which are offered during a 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 TExES exam(s)

### 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 most recent, complete Institutional Report for TITLE II is available on the College of Education website.

### Languages Other Than English (LOTE)

All individuals seeking Texas teaching certification with a major in Spanish must take the Languages other than English (LOTE) TExES state exam along with the TExES approved pedagogy assessment.

### 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.

#### International Education Opportunities

Students in the college have opportunities to participate in international experiences throughout their undergraduate studies. International programs may vary by year. Contact TCU Global or the associate dean of undergraduate studies for more information.

#### 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 75 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, BSE

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 will have the option to obtaining certification in ESL and SPED.

*Bilingual Generalist EC-6 with Special Education 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

#### TCU Core Curriculum: 39 hours

#### Humanities: 9 hours

Religion	RT, HUM	3
English Literature	LT, HUM	3
EDEC 30073	Critical Literacy and Children's Literature	3

#### Social Studies: 9 hours

HIST 10603	United States History: A Survey to 1877	3
HIST 10613	United States History: A Survey since 1877	3
POSC 10133	American and Texas Government	3

#### Natural Sciences: 6 hours

BIOL 10003	Contemporary Issues in Biology	3
NSC	Any other Lab Science different from BIOL	

#### Fine Arts: 3 hours

FNRT 20903	Children, Creativity and the Fine Arts	3
	OR	
	Any other FAR	

#### Mathematical Reasoning: 3 hours

MATH 10033	Topics in Mathematics	3
	OR	
MATH 10043	Elementary Statistics	3
	OR	
MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4
	OR	
MATH 20524	Calculus II	4

#### Oral Communication: 3 hours (choose one)

COMM 10123	Communicating Effectively	3
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#### Written Communication: 6 hours

ENGL 10803	Introductory Composition: Writing as Inquiry	3
ENGL 20803	Intermediate Composition: Writing Argument	3

#### Major: 72 hours

EDEC 30073	Critical Literacy and Children's Literature	3
EDEC 30103	Introduction to Early Childhood Education	3
EDUC 30143	Child and Adolescent Development	3
EDUC 30603	Study of Exceptional Students	3
EDUC 30123	Educational Psychology	3

#### Possible Sequence of Courses

##### Junior I Fall Block

EDEC 30013	Creative Thinking and Problem Solving: Science	3
EDEC 30023	Creative Thinking and Problem Solving: Mathematics I	3
EDEC 30033	Creative Thinking and Problem Solving: Play and Creativity	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDEC 30123	TESOL Methods and Assessment in Elementary Education	3

**Junior II Spring Block**

EDEC 30203	Education in Elementary Curriculum: Mathematics II	3
EDEC 31233	Education in Elementary Curriculum: Social Studies	3
EDEC 30213	Creative Thinking and Problem Solving: Writing	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDEC 30123	TESOL Methods and Assessment in Elementary Education	3
EDSP 30343	Special Education Methods and Assessment in Elementary Education	3
EDSP 30143	Learner-Centered Teaching: Special Education Field Experience	3

**Senior I Fall Block**

EDEC 30001	Professional Practice Seminar	1
EDEC 41102	Learner-Centered Teaching: Assessment OR	2
EDUC 41113	Schools, Curriculum, and Society	3
EDEC 41123	Learner-Centered Teaching: Families OR	3
EDEC 55123	Learner-Centered Teaching: Families	3
EDEC 41143	Learner-Centered Teaching: Management OR	3
EDEC 55663	Motivating and Managing Students in the Classroom	3
EDEC 41151	Learner-Centered Teaching: Senior Field Experience	1
EDEC 41133	Learner Centered Teaching: Reading Instruction in Grades 3-6 OR	3
EDUC 55133	Reading Instruction Grades 3-6	3

**Senior II Spring Block**

EDEC 42213	Professional Induction: Teaching Culturally and Linguistically Diverse Exceptional Learners OR	3
EDUC 55293	Curriculum Workshop	3
EDEC 42236	Professional Induction: Internship	6

**Associated Requirements: 12 hours**

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 20023	Mathematics for Teachers of Early Childhood through Eighth Grade	3
EDEC 20013	Science for Elementary Teachers	3

**Subtotal: 120****Generalist EC-6 with Bilingual Option****TCU Core Curriculum: 39 hours****Humanities: 9 hours**

Religion	RT, HUM	3
English Literature	LT, HUM	3
EDEC 30073	Critical Literacy and Children's Literature	3

**Social Studies: 9 hours**

HIST 10603	United States History: A Survey to 1877	3
HIST 10613	United States History: A Survey since 1877	3
POSC 10133	American and Texas Government	3

**Natural Sciences: 6 hours**

BIOL 10003	Contemporary Issues in Biology	3
NSC	Any other Lab Science different from BIOL	

**Fine Arts: 3 hours**

FNRT 20903	Children, Creativity and the Fine Arts OR	3
	Any other FAR	

**Mathematical Reasoning: 3 hours**

MATH 10033	Topics in Mathematics OR	3
MATH 10043	Elementary Statistics OR	3
MATH 10283	Applied Calculus OR	3
MATH 10524	Calculus I OR	4
MATH 20254		

**Oral Communication: 3 hours**

COMM 10123	Communicating Effectively	3
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**Written Communication: 6 hours**

ENGL 10803	Introductory Composition: Writing as Inquiry	3
ENGL 20803	Intermediate Composition: Writing Argument	3

**Major: 67 hours**

EDUC 30143	Child and Adolescent Development	3
EDEC 30103	Introduction to Early Childhood Education	3
EDEC 30073	Critical Literacy and Children's Literature	3
EDUC 30603	Study of Exceptional Students	3
EDUC 30123	Educational Psychology	3

**Possible Sequence of Courses****Junior I Fall Block**

EDEC 30013	Creative Thinking and Problem Solving: Science	3
EDEC 30023	Creative Thinking and Problem Solving: Mathematics I	3

EDEC 30033	Creative Thinking and Problem Solving: Play and Creativity	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDEC 30123	TESOL Methods and Assessment in Elementary Education	3

SPAN 31403	Advanced Spanish Grammar	3
		SPAN 6 additional hours by advisement

**Subtotal: 124**

## Middle School Education, BSE-Mathematics, or Social Studies

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

## Total Semester Hours Required for Degree: 124

### TCU Core Curriculum: 39 hours

#### Prior to Entry into College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3

#### Junior Year: 17-20 hours

EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDMS 41151	Field Experience in Education	1
EDUC 40123	Social Entrepreneurship in Education	3
	Content Methods Courses	3-6

Content Methods Courses refer to content area course requirements

#### Senior Year/Semester 1: 8 hours

EDUC 30001	Professional Practice Seminar	1
EDUC 50063	Seminar in Teaching Gifted and Talented Children	3
	OR	
EDSP 55663	Motivating and Managing Students in the Classroom	3
EDMS 41151	Field Experience in Education	1
EDMS 51103	Assessment	3
	OR	
EDUC 55313	Educational Assessment	3

#### Senior Year/Semester 2: 6 hours

EDMS 40986	Student Teaching in the Middle School	6
	OR	
EDUC 55980	Advanced Clinical Teaching	1-6

#### Content Area Course Requirements

##### Mathematics (38-40 Hours)

EDMS 50443	Methods for Teaching Middle School Mathematics I	3
EDMS 50453	Methods for Teaching Middle School Mathematics II	3
EDUC 20023	Mathematics for Teachers of Early Childhood through Eighth Grade	3

### Junior II Spring Block

EDEC 30203	Education in Elementary Curriculum: Mathematics II	3
EDEC 31233	Education in Elementary Curriculum: Social Studies	3
EDEC 30223	Education in Elementary Curriculum: Reading in Grades PK-2	3
EDSP 30242	Special Education Methods and Assessment in Elementary Education	2
EDSP 30241	Learner-Centered Teaching: Special Education Field Experience	1
EDSP 30343	Special Education Methods and Assessment in Elementary Education	3
EDSP 30143	Learner-Centered Teaching: Special Education Field Experience	3

### Senior I Fall Block

EDEC 30001	Professional Practice Seminar	1
EDEC 41102	Learner-Centered Teaching: Assessment	2
EDEC 41113	Learner-Centered Teaching: Foundations	3
EDEC 41123	Learner-Centered Teaching: Families	3
	OR	
EDEC 55123	Learner-Centered Teaching: Families	3
EDEC 41143	Learner-Centered Teaching: Management	3
	OR	
EDEC 55663	Motivating and Managing Students in the Classroom	3
EDEC 41151	Learner-Centered Teaching: Senior Field Experience	1
EDEC 41133	Learner Centered Teaching: Reading Instruction in Grades 3-6	3
	OR	
EDUC 55313	Educational Assessment	3

### Senior II Spring Block

EDEC 42213	Professional Induction: Teaching Culturally and Linguistically Diverse Exceptional Learners	3
	OR	
EDUC 55293	Curriculum Workshop	3
EDEC 42236	Professional Induction: Internship	6

### Associated Requirements: 18 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 50213	Seminar in Bilingual Education	3

MATH 10524	Calculus I	4	GEOG 30713	Urban Geography	3
MATH 20524	Calculus II	4		OR	
MATH 10043	Elementary Statistics	3	GEOG 30513	Geography of the United States	3
MATH 20123	Discrete Mathematics I	3			
MATH 40403	Higher Geometry	3	SOCI 20213	Introductory Sociology	3
MATH 50073	History of Mathematics	3			
			SOCI 30343	Sociology of Race and Racism	3
MATH 10033	Topics in Mathematics	3		OR	
	OR		EDUC 50003	Diversity in American Education	3
MATH 30803	Probability	3			
	OR		EDMS 40463	Methods for Teaching Middle School Social Studies	3
MATH 30123	Discrete Mathematics II	3			
	OR				
MATH 30224	Linear Algebra	4			
	OR				
MATH	Upper level 30000 and above math				
PHYS 10154	General Physics I with Laboratory	4			
	OR				
PHYS 20053	Physics of Music and Sound	3			
<b>Social Studies (42 Hours)</b>					
HIST 10203	Origins of Western Civilization: Europe to 1348	3			
HIST 10213	The World Expanded: Europe 1348-1789	3			
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3			
HIST 10923	Latin American History: Colonial Period	3			
	OR				
HIST 10933	Latin American History: National Period	3			
	OR				
HIST 30993	History of Mexico	3			
HIST 10953	East Asian Civilization Since 1700	3			
	OR				
HIST 10813	Introduction to the Modern Middle East	3			
HIST 40743	History of Texas	3			
POSC 35XX3	Any course in Comparative Politics				
ECON 10223	Introductory Microeconomics	3			
ECON 10233	Introductory Macroeconomics	3			
ECON, HIST or POSC	Upper Division Elective				
GEOG 10003	World Regional Geography	3			
GEOG 20013	Human Geography	3			
	OR				
GEOG 30723	Cultural Geography	3			
	OR				

## Middle School Education, BSE- Language and Literacy

Middle school education (grades 4 to 8) is designed for students who want to teach in a specific content area (English/language arts, reading, and TESOL) in upper elementary and middle school settings.

## Total Semester Hours Required for Degree: 124

### TCU Core Curriculum: 39 Hours

#### Prior to Entry into College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3

#### Junior Year through Senior Year/Semester 1: 57 hours

EDMS 30001	Professional Practice Seminar	1
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDUC 50663	Motivating and Managing Students in the Classroom	3
	OR	
EDSP 55663	Motivating and Managing Students in the Classroom	3
EDMS 51103	Assessment	3
	OR	
EDUC 55313	Educational Assessment	3
EDMS 41151	Field Experience in Education	1

*EDUC 30001 must be taken semester prior to student teaching*

*EDMS 41151 is required two semesters*

Content Methods Courses- refer to content area course requirements

#### Senior Year/Semester 2: 6 hours

EDMS 40986	Student Teaching in the Middle School	6
	OR	
EDUC 55980	Advanced Clinical Teaching	1-6

**Content Area Course Requirements****Select 3 hours from:**

ENGL 10103	Introduction to Fiction	3
ENGL 10113	Introduction to Poetry	3
ENGL 10123	Introduction to Drama	3
ENGL 10203	Introduction to Creative Writing	3

**Select 3 hours from:**

Select 6 hours from English Major: Area A – American Literature

Select 3 hours from English Major: Area B – British Literature

Select 3 hours from English Major: Area C – Writing

Select 6 hours from English Major: Area D – Theory

EDMS 50153	Literature for Adolescents	3
EDMS 50173	Development of Written Communication	3
EDMS 50223	Practicum in Reading and ESL	3
EDUC 50503	Foundations of Language Acquisition	3
EDUC 50513	TESOL Methods and Assessment	3
EDEC 41132	Learner Centered Teaching: Reading Instruction in Grades 3-6	2

**Science Education, BSE**

The BSE in Science Education prepares individuals who want to teach in middle and/or high school settings. Texas teacher certification pathways associated with this degree include: middle school science (grades 4 - 8), secondary life science (grades 7-12), secondary physical science (grades 6-12), secondary physics/math (grades 7- 12), and secondary chemistry (grades 7-12).

**Total Semester Hours Required for Degree: 120****TCU Core Curriculum: 39 Hours****Prior to Entry into College of Education: 9 hours**

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3
	OR	
EDUC 30143	Child and Adolescent Development	3

In addition, students must complete at least 21 hours of content in the discipline(s) aligning with their Teacher Education Program content pathway. At least 15 of these content hours must be completed prior to admission to the Teacher Education Program.

Courses with prefixes of BIOL, CHEM, PHYS, and GEOL can be used to satisfy middle science (grades 4-8) content requirements. Courses with prefixes of PHYS can be used to satisfy secondary physical science (grades 6-12) content requirements. Courses with prefixes of PHYS and MATH can be used to satisfy secondary physics/math (grades 7-12) content requirements. Courses with the prefix of CHEM can be used to satisfy secondary chemistry (grades 7-12) content requirements.

**Post-admission to the Teacher Education Program: 24 hours**

EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3

EDUC 50663	Motivating and Managing Students in the Classroom	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDSE 51103	Assessment	3
	OR	
EDMS 51103	Assessment	3
EDUC 30003	Honors Tutorial	3
EDSE 50453	Methods for Teaching Secondary Mathematics II	3
	OR	
EDMS 50453	Methods for Teaching Middle School Mathematics II	3
	OR	
EDUC 50023	Effective Teaching and Classroom Implementation	3

**Fieldwork and Clinical Teaching: 18 hours**

EDSE 41151	Field Experience in Education	1
	OR	
EDMS 41151	Field Experience in Education	1
EDSE 41151	Field Experience in Education	1
	OR	
EDMS 41151	Field Experience in Education	1
EDSE 41151	Field Experience in Education	1
	OR	
EDMS 41151	Field Experience in Education	1

**Note: all other coursework should be completed prior to entering the clinical teaching semester**

**Senior Year/Semester 2: 6 hours**

EDMS 40986	Student Teaching in the Middle School	6
	OR	
EDUC 55980	Advanced Clinical Teaching	1-6

**Secondary Education, BSE - Social Studies**

Secondary education is designed for students who want to teach in a specific content area (life science 7-12, physical science 6-12, or social studies 7-12).

**Total Semester Hours Required for Degree: 124-125****TCU Core Curriculum: 39 hours****Prior to entry into the College of Education: 9 hours**

EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3
EDUC 20003	Critical Investigation: Teaching and Learning	3

**Junior Year: 17-20 hours**

EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3

EDUC 30603	Study of Exceptional Students	3	<b>Physical Science (42-44 hours)</b>		
EDUC 40123	Social Entrepreneurship in Education	3	CHEM 10113	General Chemistry I	3
EDMS 41151	Field Experience in Education	1		AND	
Content Methods Courses refer to content area course requirements			CHEM 10125	General Chemistry II with Laboratory	5
<b>Senior Year/Semester 1: 8 hours</b>					
EDUC 30001	Professional Practice Seminar	1	CHEM 30121	Organic Chemistry I Laboratory	1
EDSE 41151	Field Experience in Education	1	CHEM 30123	Organic Chemistry I	3
EDSE 51103	Assessment	3	CHEM	Upper Division Elective	
	OR		EDSE 50553	Methods for Teaching Secondary Science	3
EDUC 55313	Educational Assessment	3	ENSC 10143	Contemporary Environmental Issues	3
EDUC 50663	Motivating and Managing Students in the Classroom	3	GEOL 30113	Weather and Climate	3
	OR		MATH 10524	Calculus I	4
EDSP 55663	Motivating and Managing Students in the Classroom	3		OR	
EDUC 50663	Motivating and Managing Students in the Classroom	3	MATH 20524	Calculus II	4
	OR		PHYS 10154	General Physics I with Laboratory	4
EDSP 50663	Motivating and Managing Students in the Classroom	3	PHYS 10161	General Physics II Laboratory	1
			PHYS 10163	General Physics II	3
<b>Senior Year/Semester 2: 6 hours</b>					
EDSE 40986	Student Teaching in the Secondary/School	6	PHYS 10164	General Physics II with Laboratory	4
	OR			OR	
EDUC 55980	Advanced Clinical Teaching	1-6	PHYS 20474	Physics I with Laboratory: Mechanics	4
<b>Content Area Course Requirements</b>			PHYS 20481	Physics II Laboratory	1
<b>Life Science (42-46 Hours)</b>			PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
BIOL 10003	Contemporary Issues in Biology	3	PHYS 10273	Introductory Astronomy: Earth and Planets	3
BIOL 10501	Introductory Biology Lab I	1	PHYS 10283	Introductory Astronomy: Stars and Galaxies	3
BIOL 10503	The Unity of Life: Molecules to Cells	3	PHYS 30014	Materials Science	4
BIOL 10511	Introductory Biology Lab II	1	<b>Social Studies (48-49 hours)</b>		
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3	ECON 10223	Introductory Microeconomics	3
BIOL 30403	Ecology and the Environment	3	ECON 10233	Introductory Macroeconomics	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3	ECON, HIST or POSC	Upper Division Elective	
BIOL 20234	Microbiology of Human Disease	4	EDSE 40463	Methods for Teaching Secondary Social Studies	3
BIOL 30703	Plant Systematics	3	GEOG 10003	World Regional Geography	3
BIOL 30613	Natural History	3	GEOG 20013	Human Geography	3
<b>Select two courses from:</b>				OR	
BIOL 40313	Biogeography	3	GEOG 30513	Geography of the United States	3
BIOL 50246	Biodiversity			OR	
BIOL 30233	Economic Botany	3	GEOG 30723	Cultural Geography	3
BIOL 30404	Comparative Vertebrate Anatomy	4		OR	
EDSE 50553	Methods for Teaching Secondary Science	3	GEOG 30713	Urban Geography	3
MATH 10524	Calculus I	4	HIST 10203	Origins of Western Civilization: Europe to 1348	3
MATH 20524	Calculus II	4			
CHEM 10113	General Chemistry I	3			
CHEM 10125	General Chemistry II with Laboratory	5			

BIOL 50246 requires two semesters



HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10613	United States History: A Survey since 1877 OR	3
HIST 10953	East Asian Civilization Since 1700	3
HIST 10923	Latin American History: Colonial Period OR	3
HIST 10933	Latin American History: National Period OR	3
HIST 30993	History of Mexico	3
HIST 40743	History of Texas	3
POSC 10133	American and Texas Government	3
POSC 20144	Practicing American and Texas Politics OR	4
POSC 20203	Introduction to Political Theory	3
POSC 31XX3	American Politics Elective	
SOCI 20213	Introductory Sociology	3
SOCI 30343	Sociology of Race and Racism OR	3
EDUC 50003	Diversity in American Education	3

## Secondary Education, BS – Language and Literacy

Secondary education is designed for students who want to teach in a specific content area (English/language arts, reading, and ESL 7-12).

## Total Semester Hours Required for Degree: 124

### TCU Core Curriculum: 39 hours

#### Prior to entry into the College of Education: 9 hours

EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3
EDUC 20003	Critical Investigation: Teaching and Learning	3

#### Junior Year/Semester:

EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDSE 41151	Field Experience in Education	1

*EDUC 30001 must be taken semester prior to student teaching  
Refer to content area course requirements*

### Senior Year/Semester 1: 7 hours

EDUC 30001	Professional Practice Seminar	1
EDSE 51103	Assessment OR	3
EDEC 55313	Educational Assessment	3

### Senior Year/Semester 2: 6 hours

EDSE 40986	Student Teaching in the Secondary/School OR	6
EDUC 55980	Advanced Clinical Teaching	1-6

### Content Area Course Requirements

#### Language and Literacy (39 Hour)

EDUC 40213	Promoting Literacy in the Content Areas	3
EDSE 50153	Literature for Adolescents	3
EDSE 50173	Development of Written Communication	3
EDSE 50223	Practicum in Reading and ESL	3
EDUC 50503	Foundations of Language Acquisition	3
EDUC 50513	TESOL Methods and Assessment	3

#### Select 3 hours from:

ENGL 10103	Introduction to Fiction	3
ENGL 10113	Introduction to Poetry	3
ENGL 10123	Introduction to Drama	3
ENGL 10203	Introduction to Creative Writing	3

Select 6 hours from English Major: Area A - American Literature

Select 6 hours from English Major: Area B - British Literature

Select 9 hours from English Major: Area C - Writing

Select 6 hours from English Major: Area D – Theory

## Educational Studies

Students who major in a content area outside the College of Education (mathematics, history, Spanish, dance, communication and English may obtain a major in educational studies (see College of Education admission requirements (p. **Error! Bookmark not defined.**)). Completion of the educational studies major meets the requirements for teacher certification.

## Educational Studies, BSE in Mathematics

Students who major in Mathematics and complete the Educational Studies Major in Mathematics will meet the requirements for certification in Mathematics 7-12.

## Requirements: 43 hours

#### Prior to entry into the College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3

#### Junior Year: 20 hours

EDUC 30603	Study of Exceptional Students	3
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3

EDUC 30123	Educational Psychology	3	EDSP 55663	Motivating and Managing Students in the Classroom	3
EDUC 40213	Promoting Literacy in the Content Areas	3			
EDSE 41151	Field Experience in Education	1	EDSE 51103	Assessment	3
EDSE 50443	Methods for Teaching Secondary School Mathematics I	3		OR	
EDSE 50453	Methods for Teaching Secondary Mathematics II	3	EDUC 55313	Educational Assessment	3

*EDSE 41151 is required two semesters*

#### Senior I Fall Block: 8 hours

EDUC 30001	Professional Practice Seminar	1			
EDSE 41151	Field Experience in Education	1			
EDSE 51103	Assessment	3			
	OR				
EDUC 55313	Educational Assessment	3			
EDUC 50663	Motivating and Managing Students in the Classroom	3			
	OR				
EDSP 55663	Motivating and Managing Students in the Classroom	3			

#### Senior II Spring Block: 6 hours

EDSE 40986	Student Teaching in the Secondary/School	6			
	OR				
EDUC 55980	Advanced Clinical Teaching	1-6			

## Educational Studies, BSE in History

Students who major in History and complete the Educational Studies Major in History will meet the requirements for certification in History 8-12.

### Requirements: 40 hours

#### Prior to entry into College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3			
EDUC 41113	Schools, Curriculum, and Society	3			
EDUC 30103	Developmental Psychology of Adolescence	3			

#### Junior Year: 17 hours

EDUC 30603	Study of Exceptional Students	3			
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3			
EDUC 30123	Educational Psychology	3			
EDUC 40213	Promoting Literacy in the Content Areas	3			
EDSE 50463	Methods for Teaching Secondary Social Studies	3			
EDSE 41151	Field Experience in Education	1			

*EDSE 41151 is required two semesters*

#### Senior I Fall Block: 8 hours

EDUC 30001	Professional Practice Seminar	1			
EDSE 41151	Field Experience in Education	1			
EDUC 50663	Motivating and Managing Students in the Classroom	3			
	OR				

#### Senior II Spring Block: 6 hours

EDSE 40986	Student Teaching in the Secondary/School	6			
	OR				
EDUC 55980	Advanced Clinical Teaching	1-6			

## Educational Studies, BSE in Languages Other Than English (LOTE)

Students who major in Spanish and complete the Educational Studies Major in Languages other than English will meet the requirements for certification in Languages other than English (LOTE) in Spanish. Note: Students seeking LOTE certification must pass a language proficiency assessment administered by their major department the semester prior to student teaching.

### Requirements: 43 hours

#### Prior to entry into the College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3			
EDUC 40113	Introduction to Educational Program Evaluation	3			
EDUC 30103	Developmental Psychology of Adolescence	3			

#### Junior Year: 18 hours

EDUC 30603	Study of Exceptional Students	3			
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3			
EDUC 30123	Educational Psychology	3			
EDUC 40213	Promoting Literacy in the Content Areas	3			
EDSE 41151	Field Experience in Education	1			
EDUC 50503	Foundations of Language Acquisition	3			

#### Senior I Fall Block: 8 hours

EDUC 30001	Professional Practice Seminar	1			
EDSE 41151	Field Experience in Education	1			
EDUC 50663	Motivating and Managing Students in the Classroom	3			
	OR				
EDSP 55663	Motivating and Managing Students in the Classroom	3			
EDSE 51103	Assessment	3			
	OR				
EDUC 55313	Educational Assessment	3			

*EDSE 41151 is required 2 semesters*

#### Senior II Spring Block: 6 hours

EDSE 40986	Student Teaching in the Secondary/School	6			
	OR				
EDUC 55980	Advanced Clinical Teaching	1-6			

## Educational Studies, BSE in English

Students who major in English and complete the Educational Studies Major in English will meet the requirements for certification in English 7-12.

### Requirements: 51 hours

#### Prior to entry into the College of Education: 9 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3

#### Junior year through senior year/semester 1: 36 hours

EDUC 30001	Professional Practice Seminar	1
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDSE 41151	Field Experience in Education	1
EDSE 50153	Literature for Adolescents	3
EDSE 50173	Development of Written Communication	3
EDSE 51103	Assessment	3
	OR	
EDUC 55313	Educational Assessment	3
EDUC 50223	Practicum in Reading and TESOL	3
EDUC 50503	Foundations of Language Acquisition	3
EDUC 50513	TESOL Methods and Assessment	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 50663	Motivating and Managing Students in the Classroom	3
	OR	
EDSP 55663	Motivating and Managing Students in the Classroom	3

*EDSE 30001 must be taken the semester prior to student teaching*

*EDSE 41151 is required two semesters*

#### Senior year/semester 2: 6 hours

EDSE 40986	Student Teaching in the Secondary/School	6
	OR	
EDUC 55980	Advanced Clinical Teaching	1-6

## All Level Teacher Certification

All-level certification enables students to teach in grades EC-12. Majors include art, music, 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	3
EDUC 30123	Educational Psychology	3
EDUC 30603	Study of Exceptional Students	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 50023	Effective Teaching and Classroom Implementation	3
EDUC 30001	Professional Practice Seminar	1
EDUC 40966	All Level Student Teaching	6

EDUC 50023 is not required for Art Education, Physical Education, and Music Education majors.

EDUC 30001 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	Foundations of Language Acquisition	3
EDUC 50223	Practicum in Reading and TESOL	3
EDUC 50513	TESOL Methods and Assessment	3
EDUC 50003	Diversity in American Education	3

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.

EDMS 50233/EDSE 50223 is Concurrent enrollment

## Youth Advocacy and Educational Studies, BS

Students who declare a major in youth advocacy and educational studies must meet the following requirements:

- TCU students must have a 2.00 or better GPA.
- Transfer students must bring a 2.00 or better GPA to declare the major

All students pursuing a BS in Youth Advocacy and Educational Studies must maintain high professional standards and acceptable academic performance (a minimum 2.00 GPA overall and a "C-" or better in education, youth advocacy and specialization coursework).

## Requirements

Students who declare a major in education that does not lead to teacher certification must be admitted to the College of Education and must meet the following requirements:

- TCU students must have a 2.50 or better GPA.
- Transfer students must bring a 2.50 or better GPA to declare an education major and have a 2.50 or better GPA on 12 hours of coursework at TCU to be admitted to the College of Education.
- Entering first-year students have no specific requirements to declare an education major but must have a 2.50 or better GPA to be admitted to the Teacher Education program.

All students pursuing a minor in education or a degree in Youth Advocacy and Educational Studies must maintain high professional standards and acceptable academic performance (a minimum 2.50 GPA overall and a "C-" or better in education coursework).

### Education Coursework: 30 hours

#### Education Courses Required: 18-21 hours

EDUC 30133	Issues in Education Across Global and Societal Contexts	3
EDUC 41113	Learner Centered Teaching: Foundations	3
	OR	
EDUC 55113	Schools, Curriculum, and Society	3
EDUC 30103	Developmental Psychology of Adolescence	3
	OR	
EDUC 30143	Child and Adolescent Development	3
EDUC 50003	Diversity in American Education	3
	OR	
EDUC 55003	Diversity in American Education	3
EDUC 40510	Internship: Youth Advocacy and Educational Studies	
	OR	
EDUC 55510	Advanced Internship: Youth Advocacy and Educational Studies	1-20

\*Credit Hours variable. A minimum of 6 hours internship required. An additional 3 hours of internship can be taken to satisfy the education coursework requirement. Courses can be repeated in subsequent semesters for additional credit

#### Specialization Coursework: 15 hours

15 hours of approved coursework in related disciplines, with no more than 9 hours taken in anyone discipline. Courses to be approved by the College of Education Advisor or a Dean.

#### Recommended Education Electives: 12-15 hours

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDEC 30073	Critical Literacy and Children's Literature	3
EDEC 30103	Introduction to Early Childhood Education	3
EDUC 30603	Study of Exceptional Students	3
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30123	Educational Psychology	3
EDUC 30213	Policy Studies in Education and Youth Advocacy	3
EDUC 30223	Positive Youth Development and Advocacy	3
EDUC 40113	Introduction to Educational Program Evaluation	3
EDUC 40123	Social Entrepreneurship in Education	3
EDUC 55970	Special Topics in Education	1-6
EDUC 50990	International Experiences in Education	1-6

## Interdisciplinary Studies, BA or BS

Interdisciplinary Inquiry offers students a way to "create their own major" when their academic interests extend beyond traditional disciplinary lines. Proposed interdisciplinary majors that appear designed to avoid particular required courses in established majors will not be approved.

Interested students should email IINQ@tcu.edu with: their proposed topic of inquiry, how that focus contributes to their long-term educational and/or career goals, and the divergent disciplines that can contribute to that focus.

For this major, students are required to take INTR 30103, "Introduction to Interdisciplinary Studies," where they learn about the nature of interdisciplinary studies and set their course plan. Students must also take INTR 30403, "Epistemology and Methods," and complete a capstone project in INTR 40103, "Interdisciplinary Inquiry Major Capstone."

To be eligible for the program, students must have earned a TCU GPA at or above 3.0 and have earned at least 12, but not more than 66, semester hours credit. The eligibility of incoming transfer students (who lack a TCU GPA) will be considered on a case-by-case basis.

The proposed program of study must consist of a minimum of 36 semester hours chosen from at least two different academic disciplines; 24 of the hours must be upper-division (30000 or above).

- No more than 24 hours may be taken from a single academic discipline.

- A maximum of 6 hours of independent or directed study (or Junior Honors Seminar and Senior Honors Thesis) may be applied to the major. Students in the John V. Roach Honors College interested in pursuing departmental honors may, with the approval of the department chair, do so in one the departments making up their interdisciplinary course of study.

For both the B.A. and B.S. degrees, a minor is required. For the B.A. degree, 4th semester proficiency in a foreign language is required. For the B.S. degree, sufficient coursework of a quantitative nature must be included in the proposed course of study to justify the B.S. degree. The choice between the B.A. and B.S. degrees is to be determined by the nature of the proposed course of study, rather than any aversion to either foreign language or quantitative coursework, and is subject to the approval of the associate dean.

No course applied to the major may also be applied to the minor.

For more information contact IINQ@tcu.edu

## Educational Studies Minor

Students can minor in Educational Studies; however, completion of the minor does not meet the requirements for teacher certification. Students pursuing a minor in education do not need to apply for admission to the program, but must maintain a cumulative GPA of 2.0 and must earn C- or better in coursework needed to complete the minor.

## Requirements

#### Education Courses Required: 9 hours:

EDUC 30133	Issues in Education Across Global and Societal Contexts	3
EDUC 30103	Developmental Psychology of Adolescence	3
	OR	
EDUC 30143	Child and Adolescent Development	3
EDUC 40113	Introduction to Educational Program Evaluation	3

#### Students may select from any of the following courses: 9 hours

EDUC 10433	Freshman Seminar in Education	3
EDUC 10533	Freshman Seminar in Education	3
EDUC 20003	Critical Investigation: Teaching and Learning	3

EDEC 30073	Critical Literacy and Children's Literature	3
EDEC 30103	Introduction to Early Childhood Education	3
EDUC 30113	Digital Literacy, Learning, and Citizenship in Education	3
EDUC 30133	Issues in Education Across Global and Societal Contexts	3
EDUC 30213	Policy Studies in Education and Youth Advocacy	3
EDUC 30223	Positive Youth Development and Advocacy	3
EDUC 40113	Introduction to Educational Program Evaluation	3
EDUC 40123	Social Entrepreneurship in Education	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDSE 50173	Development of Written Communication	3
EDUC 50663	Motivating and Managing Students in the Classroom	3
EDUC 30603	Study of Exceptional Students	3
EDUC 50003	Diversity in American Education	3
EDUC 50023	Effective Teaching and Classroom Implementation	3

EDUC 40213 content areas include dance, history, mathematics, Spanish and communication (speech).

EDUC 50023 can be replaced with EDSE 50443 or EDSE 50453 for students with a mathematics major and EDSE 40463 for students with a history major.

# College of Fine Arts

## Fine Arts Program of Study

Since the founding of Texas Christian University more than a century ago, fine arts and related professional studies have been integral parts of the University's educational program. Today, some 950 students concentrate their studies within the three departments and three schools that comprise the College of Fine Arts. Degree programs are available in art and art history; ballet and modern dance; fashion merchandising; graphic and interior design, music, and theatre. The academic programs provide a balance between professional training and liberal arts studies, and small classes enable the faculty to give personal attention to the work of each student.

College of Fine Arts faculty are dedicated teachers who combine extensive academic training with years of professional experience in their disciplines. They pride themselves on the ability to convey to their students the knowledge necessary for successful lives and careers in the 21st century. Visiting faculty, guest artists and performers also interact with students throughout the year, enriching the learning experience.

Resources available to students include specialized computer labs, lighting and sound systems, specialized libraries and equipment, galleries, art and dance studios, theaters and performance halls. 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 schools and three departments, offering 33 major fields of concentration. The departments provide professional training in vocational fields for students planning careers and serious avocational training for those who wish to attain artistic ability without professional intent.

## College of Fine Arts Degrees

The College of Fine Arts offers the following degrees:

- Bachelor of Fine Arts (BFA) with a major in graphic or interior design, studio art or art education, ballet and/or modern dance and theatre.
- Bachelor of Arts (BA) with a major in art history, music, studio art or theatre. (The BA degree requires a minor along with the completion of sophomore-level foreign language.)
- Bachelor of Science (BS) with a major in design studies 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

Students majoring in the College of Fine Arts who wish to pursue an additional major in the college must obtain permission from the unit director/chair, and the academic dean. The student must satisfy all requirements of the additional major, including seeking permission for courses that will satisfy both majors; minimal overlap is permitted with pre-approval of the dean's office.

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

The online Intent to Graduate form must be submitted by FAME, MUEI, MUEV and ARED majors once the student has completed 86 hours of coursework. All other majors in the college should complete the Intent to Graduate form once the student has completed 96 hours of coursework or two semesters prior to graduation, whichever comes first. Students may make an online request for their official degree plan from the College of Fine Arts once they have completed 54 semester hours (usually at the end of the sophomore or the beginning of the junior year).

Approval of the unit chair/director is required for all nontraditional courses, e.g, special problems, independent study, research problems.

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

## Transfer Credit

Students wishing to take courses at another institution after matriculation at TCU must secure approval through the Office of the Dean of the College of Fine Arts before enrolling in those courses. Requests are made online via the myTCU student portal. Once matriculated at TCU, students may only take 12 hours of coursework from another institution. Any exceptions require permission from the unit chair/director and academic dean. See the University's Transfer Credit Policy for more information.

## Pass/No-Credit Policy

No courses applied toward any major or minor in the College of Fine Arts may be taken a pass/no-credit basis.

## College of Fine Arts Special Programs

The Artist Diploma is available for instrumentalists and vocalists with exceptional performance ability. See the School of Music section.

## Arts Leadership and Entrepreneurship Certificate:

The requirements for the 9-credit hour certificate are:

### Required:

ARLE 20103	Introduction to Arts Leadership and Entrepreneurship	3
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### Any two additional ARLE courses:

ARLE 30103	Leadership, Dynamics and Planning in the Arts	3
ARLE 30203	Financial Management and Fundraising in Arts Organizations	3
ARLE 30303	Audiences, Community, Programs and Marketing in Arts Organizations	3
ARLE 30403	The Creative Economy	3
ARLE 40103	Arts Leadership and Entrepreneurship Experience	3
ARLE 40903	Internship in Arts Leadership and Entrepreneurship	3

## Arts Leadership and Entrepreneurship Minor:

(Admission to the program suspended for 2021-2022 academic year)

The requirements for the 18-credit minor are:

### Required:

ARLE 20103	Introduction to Arts Leadership and Entrepreneurship	3
ARLE 30103	Leadership, Dynamics and Planning in the Arts	3
ARLE 30203	Financial Management and Fundraising in Arts Organizations	3
ARLE 30303	Audiences, Community, Programs and Marketing in Arts Organizations	3
ARLE 30403	The Creative Economy	3

**Capstone Course:**

ARLE 40103	Arts Leadership and Entrepreneurship Experience	3
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**Optional Course:**

ARLE 40903	Internship in Arts Leadership and Entrepreneurship	3
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**School of Art****Studio Art, Art Education, & Art History**

The School of Art administers the Bachelor of Fine Arts (BFA) degree with a major in studio art or art education, as well as the Bachelor of Arts (BA) degree with a major in art history or studio art.

The BFA in studio art has available coursework in ceramics, new media, painting, photography, printmaking, or sculpture a minimum of 78 semester hours in art is required for studio majors. The BFA in art education requires a minimum of 66 hours of art. The degree plans are outlined below.

- Bachelor of Arts (BA): Art History, Studio Art
- Bachelor of Fine Arts (BFA): Art Education, Studio Art
- Minors: Art History, Studio Art

**Minimum Grade Requirement**

All are courses take in the major or minor sequences must be passed with a grade of "C" or better to fulfill graduation requirements.

**Departmental Requirements**

The School of Art requires a minimum of 2.5 cumulative GPA as a prerequisite to junior and senior-level studio art and art education courses. After entrance into upper-division courses, a minimum of 2.5 GPA must be maintained as a prerequisite to further advanced enrollment.

**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 College**

School of Art majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in ARED, ARHI or ARST 30003 during their junior year and ARED, ARHI or ARST 40003 during the fall semester of their senior year.

**Transfer Students**

To declare a major in Studio Art, transfer students must present a portfolio of their work for evaluation by the School of Art during their advising and/or prior to registration.

**Declaration of a Major**

The school 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. Once a concentration is declared, a faculty adviser from that area will be assigned, and an appropriate sequence of courses will be formulated.

**Major/Minor Shared Requirements**

Students majoring in studio art (BFA or BA) must complete an additional 12.0 credit hours of art history courses to complete the requirements for an Art History Minor.

Students majoring in art education (BFA) must complete an additional 12.0 credit hours of art history courses to complete the requirements for an Art History Minor.

Students majoring in art history (BA) must complete an additional 9.0 credit hours of studio art courses to complete the requirements for a Studio Art Minor.

**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 school approval. Students must claim their work at the end of each exhibition. The school cannot accept responsibility for the care, storage or distribution of student work.

**Studio Art, BFA**

To earn the BFA in studio art, students must complete the requirements outlined below and choose a concentration in ceramics, new media, painting, photography, printmaking or sculpture.

**Art Requirements****Studio Courses (36 hours)**

ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3
ARST 20143	Painting	3
ARST 20183	Intro to Printmaking	3
ARST 20213	Ceramics	3
ARST 20243	Sculpture	3
ARST 20503	Video Art: Beginning New Media	3
ARST 20743	Photography	3
ARST 30903	Seminar in Art Professions	3
ARST 30913	Seminar in Art Criticism and Theory	3

**Art History (15 hours)**

ARHI 10043	Introduction to Art History	3
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In addition to ARHI 10043, it is recommended that all studio art majors take one pre-modern, one non-western and two modern/contemporary art history courses.

**Upper-Division Studio Art Courses (21 hours)**

12 hours must be in an area of concentration

9 hours electives chosen with permission of advisor

**Senior Exhibition (3 hours)**

ARST 40893	Senior Art Exhibition	3
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**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**General Electives (if needed to equal 120 hours)****Suggested Courses for First-Year****Fall (15 hours)****TCU Core Curriculum (6 hours)**

WCO	Written Communication	3
NSC	Natural Science	3

**Art Courses (6 hours)**

ARST 10103	Drawing I	3
ARST 10123	Design and Color	3
	OR	
ARST 10133	Three Dimensional Design	3

**Art History Course (3 hours)**

ARHI 10043	Introduction to Art History	3
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**Spring (15 hours)****TCU Core Curriculum (6 hours)**

RT	Religious Traditions	3
SSC	SSC	3

**Art Courses (6 hours)**

ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
	OR	
ARST 10133	Three Dimensional Design	3

**Art History Course (3 hours)**

ARHI	any 20000 level art history course	3
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**Studio Art, BA**

To earn a BA with a major in studio art, students must complete the requirements outlined below.

The BA requires a minor (at least 18 hours).

**Foreign Language Requirement**

*Foreign Language Requirement (3-12 hours)*

Completion of six hours at the sophomore-level or fourth semester competency is required. See Modern Language Major for additional information.

**Major Requirements (39 hours)****Foundation Courses (12 hours) required**

ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3

**Studio Art Courses (9 hours) Choose 3**

ARST 20143	Painting	3
ARST 20183	Intro to Printmaking	3
ARST 20213	Ceramics	3
ARST 20243	Sculpture	3
ARST 20503	Video Art: Beginning New Media	3
ARST 20743	Photography	3

**Art History (9 hours) must be taken in sequence**

ARHI 10043	Introduction to Art History	3
ARHI	20000 level	3
ARHI	30000 level	

**Upper-Level Studio Art (9 hours)**

ARST 30000-40000	Any 30000-40000 level in area of concentration	9
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**Art Education, BFA**

To earn the BFA with a major in art education, students must complete the requirements outlined below.

**Art Requirements****Studio Courses (27 hours)**

ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3
ARST 20143	Painting	3
ARST 20183	Intro to Printmaking	3
ARST 20213	Ceramics	3
ARST 20243	Sculpture	3
ARST 20743	Photography	3

**Studio Art Elective (3 hours)**

ARST	20000 level	
	OR	
ARST	30000 level or above	3

**Art Education Courses (12 hours)**

ARED 10803	Basics in Art Education	3
ARED 30013	Approaches to Studio Art	3
ARED 30803	The Child and Visual Arts	3
ARED 40803	Essentials of Visual Arts	3

**Art History (12 hours)**

ARHI 10043	Introduction to Art History	3
ARHI	20000 level	3
ARHI	30000 level or above (total of 6 hours at this level)	6

**Upper-level Art Electives (12 hours)**

ARHI 30000-40000	Any 30000 or 40000 level with Art History prefix	
	OR	
ARST 30000-40000	Any 30000 or 40000 level Studio Art course	
	OR	
ARED 30000-40000	Any 30000 or 40000 level with Art Education prefix	

**Education Requirements****Oral Communication (3 hours)**

Required for admission to the College of Education;

COMM 10123	Communicating Effectively	3
	OR	
COMM 20103		3
	OR	
COMM 20133		3



**ED Psych/Development (6 hours)**

EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3

**Education Certification (10 hours)**

EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30603	Study of Exceptional Students	3
EDSE 30001	Professional Practice Seminar	1
EDUC 40213	Promoting Literacy in the Content Areas	3

**Student Teaching (6 hours)**

EDUC 40966	All Level Student Teaching	6
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**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Suggested Courses for First-Year****Fall (15 hours)****TCU Core Curriculum (9 hours)**

OCO	Oral Communication	3
HT	Historical Traditions	3
RT	Religious Traditions	3

**Art Courses (6 hours)**

ARST 10103	Drawing I	3
ARST 10123	Design and Color	3

**Art History Course (3 hours)**

ARHI 10043	Introduction to Art History	3
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**Spring (15 hours)****TCU Core Curriculum (9 hours)**

RT	Religious Traditions	3
SSC	SSC	3

**Art Courses (6 hours)**

ARST 10113	Drawing II	3
ARST 10133	Three Dimensional Design	3
ARED 10803	Basics in Art Education	3

**Art History, BA**

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.

The BA requires a minor (at least 18 hours)

**Art History Requirements**

The art history major requires 27 hours of art history courses, 3 hours of studio art courses and proficiency in a foreign language.

**Art History (27 hours)**

Majors are expected to enroll in a broad range of courses with chronological, geographical, and cultural diversity.

ARHI 10043	Introduction to Art History	3
ARHI	Any 20000-level Art History course	3
ARHI 30963	Art Historical Methods	3
ARHI	Any-Art-History-course	6
ARHI 30000-40000	Any 30000 or 40000 level with Art History prefix	

**Studio Courses (3 hours)**

ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3

Any 10XXX- or 20XXX- level Studio Art (ARST) course.

**Foreign Language Requirement (3-12 hours)**

Completion of six hours at the sophomore-level or fourth semester competency is required. See Modern Language Major 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.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Suggested-Courses-for-First-Year****Fall (15 hours)****TCU Core Curriculum (6 hours)**

WCO	Written Communication	3
HT	Historical Traditions	3

**Foreign Language (3 hours)****Art History Course (3 hours)**

ARHI 10043	Introduction to Art History	3
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**Art Course (3)**

ARST 10103	Drawing I	3
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**Spring (15 hours)****TCU Core Curriculum (6 hours)**

RT	Religious Traditions	3
SSC	SSC	3

**Foreign Language (3 hours)****Art History Course (3 hours)**

ARHI	Any 20000-level Art History course	3
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**Art Courses (3 hours)**

ARST 10113	Drawing II	3
	OR	
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3

## Studio Art and Art History Double Major

To earn a BA degree with majors in both studio art and art history, students must complete the requirements outlined below.

This double major does not require a minor. Students may double-dip 3 Art History courses between the requirements of the two majors.

### Foreign Language Requirement (3-12 hours)

Completion of six hours at the sophomore-level or fourth semester competency is required. See Modern Language Major for additional information.

## Major Requirements (57 hours)

### Studio Foundation Courses (12 hours)

ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3

### Studio Art Courses (9 hours) Choose 3

#### Upper-level Studio Art (9 hours)

ARST	Choose any 30000 or 40000 level ARST offered in area of concentration	9
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### Art History (minimum 21 hours)

ARHI 10043	Introduction to Art History	3
ARHI	Any 20000 level Art History course	3
ARHI	Any 30000 level Art History course	3
ARHI 30963	Art Historical Methods	3
ARHI	Approved U/D Art History courses	3
ARHI	Approved U/D Art History courses	3
ARHI	Approved U/D Art History courses	3

### Art History (6 hours)

ARHI or ARST	Any Studio Art or Art History elective not already meeting a major requirement	6
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### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Studio Art Minor (18 hours)

### Required Art History Course (3 hours)

ARHI 10043	Introduction to Art History	3
	OR	
ARHI	Any 20000-level Art History course	3

### Studio Electives (15 hours)

15 hours of ARST prefix only; 6 hours must be upper-level courses.

## Art History Minor (21 hours)

### Required Art History (6 hours)

ARHI 10043	Introduction to Art History	3
ARHI	Any 20000-level Art History course	3

### Art History Electives (15 hours)

15 hours ARHI prefix only; 6 hours must be upper-level courses.

## School of Art Course Subcategories

### Studio Art

ARST 10013	Creative Thinking and Making Stuff	3
ARST 10103	Drawing I	3
ARST 10113	Drawing II	3
ARST 10123	Design and Color	3
ARST 10133	Three Dimensional Design	3
ARST 20143	Painting	3
ARST 20183	Intro to Printmaking	3
ARST 20213	Ceramics	3
ARST 20243	Sculpture	3
ARST 20503	Video Art: Beginning New Media	3
ARST 20743	Photography	3
ARST 20970	Intermediate Studio	1-20
ARST 30003	Junior Honors Seminar	3
ARST 30100	Life Studies	1-21
ARST 30140	Advanced Painting	1-21
ARST 30150	Artists' Books	1-21
ARST 30160	Printmaking (Etching)	1-21
ARST 30170	Advanced Print Media	1-21
ARST 30180	Advanced Printmaking (Screen printing)	1-21
ARST 30210	Advanced Ceramics	1-21
ARST 30220	Ceramic Sculpture	1-21
ARST 30233	Exploring Animal Imagery	3
ARST 30240	Advanced Sculpture	1-21
ARST 30510	3D Modeling and 3D Printing: Advanced New Media	3
ARST 30710	Color Photography	3
ARST 30720	Landscape Photography	1-21
ARST 30743	The Photographic Portrait	3
ARST 30760	Alternative, Non-Silver Photo Processes	1-21
ARST 30770	Documentary Photography	1-21
ARST 30780	Stages, Fabricated and Directed Studio Photography	1-6
ARST 30790	Interactive Media for Artists	1-21
ARST 30903	Seminar in Art Professions	3
ARST 30913	Seminar in Art Criticism and Theory	3
ARST 30933	Feminist Concepts and Strategies in Studio Art	3
ARST 40003	Senior Honors Research	3
ARST 40710	Advanced Digital Photography	1-21
ARST 40893	Senior Art Exhibition	3
ARST 40970	Special Problems	1-21

### Art History

ARHI 10043	Introduction to Art History	3
ARHI 20003	Classical Tradition in Art	3

ARHI 20013	Egyptian Art	3
ARHI 20063	Medieval Art	3
ARHI 20073	British Art: Medieval-Modern	3
ARHI 20083	American Indian Art	3
ARHI 20093	Art of Mexico from 1500 to the Present	3
ARHI 20103	17th and 18th Century European Art	3
ARHI 20113	A New World: Survey of American Art	3
ARHI 20303	19th and 20th Century Art	3
ARHI 20403	Introduction to Visual Culture	3
ARHI 20503	Survey Topics in Art History	3
ARHI 20603	Art History on Site	3
ARHI 30003	Junior Honors Seminar	3
ARHI 30073	Modern British Art	3
ARHI 30113	American Art to 1913	3
ARHI 30123	American Art, 1913 to the Present	3
ARHI 30143	Inka and Their Predecessors: Ancient South American Art	3
ARHI 30153	The Aztec, Maya, Olmec	3
ARHI 30163	Maya Art and Architecture	3
ARHI 30173	Early Italian Renaissance Art	3
ARHI 30183	High and Late Italian Renaissance Art	3
ARHI 30193	Northern Renaissance Painting: Van Eyck - Bruegel	3
ARHI 30203	17th Century Italian and Spanish Art	3
ARHI 30213	Drawing as Artistic Invention	3
ARHI 30323	Eighteenth-Century Art	3
ARHI 30333	Modern Art I: Art in the Age of Revolution	3
ARHI 30343	Modern Art II: Modernism in an Age of Change	3
ARHI 30353	Picasso: Artist of the Century	3
ARHI 30363	17th Century Flemish-Dutch Painting	3
ARHI 30413	Women and the Visual Arts, 1500-1800	3
ARHI 30423	Fashion and Identity in the Eighteenth Century	3
ARHI 30500	Special Topics in Art History	1-6
ARHI 30510	Special Topics in Art History	1-6
ARHI 30600	Art Study Abroad	1-12
ARHI 30603	Contemporary Art	3
ARHI 30613	Modern Architecture: 1750 to the Present	3
ARHI 30623	History of the Print	3
ARHI 30633	Art in the Metroplex	3
ARHI 30823	History of Photography	3
ARHI 40003	Senior Honors Research	3
ARHI 40970	Special Problems	1-21
ARHI 40980	Directed Study in Art History	3
ARHI 40993	Art Professions Internship	3

## Art Education

ARED 10803	Basics in Art Education	3
ARED 20970	Intermediate Studio	1-20
ARED 30013	Approaches to Studio Art	3
ARED 30803	The Child and Visual Arts	3
ARED 40803	Essentials of Visual Arts	3
ARED 40103	The Therapeutic Arts	3
ARED 40970	Special Problems	1-21

## 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 double major. An audition is required for entrance into any of the BFA degree programs. Contact the School for Classical & Contemporary Dance at TCU for audition information.

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.

### School for Classical & Contemporary Dance 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, a minor, certificate or an emphasis program at TCU. Students who want to earn the BFA in ballet and/or modern dance while simultaneously working toward a second major, a second degree, a minor, certificate or emphasis program should expect to spend more than four years to complete the additional requirements. Course scheduling challenges will prohibit some combinations of study with the BFA. Students are responsible for tracking all aspects of graduation requirements in the BFA as well as any outside-of-dance areas of study.
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 2.5 GPA 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 2.5 average has been achieved. After enrollment in upper-division dance courses, a minimum cumulative 2.5 GPA must be maintained as a prerequisite to further advanced enrollment and continued progress toward successful completion of graduation requirements.
6. All dance majors will take at least one technique class daily in their BFA major.
7. Students must earn a minimum of 2.5 credit hours at the highest level of technique in their major for graduation.
8. Dance majors will adhere to policies outlined in the SCCD Undergraduate handbook.
9. The BFA is a performance emphasis degree. All majors are required to perform as cast for all DanceTCU productions. Students must earn .5 credit for DanceTCU in the first two semesters, and then .5 credit for 5 of the remaining semesters for a total of 3 credits to graduate the BFA.
10. All dance majors are expected to participate and fulfill production crew duties as assigned for all DanceTCU productions. Once a dance major is declared at TCU, students will take .5 credit hour Dance Production Practicum each semester for 6 semesters. Only one semester of credit is earned for the first year.
11. Consistent participation in all aspects of activity required in the BFA coursework is essential to successful completion of graduation

requirements. Lack of consistent participation may warrant reconsideration of dance major status.

12. Dance majors receive a letter grade for all SCCD courses with the exception of Dance Production Practicum (DANC 10300/DANC 30300) (pass/no credit).

## Ballet, BFA

### Major Requirements (83 credits)

Ballet majors (BALT) must earn a minimum of 2.5 credit hours at the highest level of ballet technique for graduation. Daily Ballet Technique class is required every semester, all four years.

#### Ballet Technique (20 hours as advised)

DANC 20100	Classical Ballet Technique Level I	2.5
DANC 30100	Classical Ballet Technique Level II	2.5
DANC 40100	Classical Ballet Technique Level III	2.5
DANC 40150	Classical Ballet Technique Level IV	2.5

#### Additional Ballet Performance Courses (5 hours as advised)

DANC 30111	Pointe	1
DANC 30161	Ballet Repertoire	1
DANC 30181	Ballet Partnering	1

#### Modern Dance Technique (5 hours as advised)

DANC 20200	Modern Dance Technique Level I	0.5-2.5
DANC 30200	Modern Dance Technique Level II	0.5-2.5
DANC 40200	Modern Dance Technique Level III	0.5-2.5

#### Performance Courses (3 credits total over 6 semesters)

3 semesters of DANC 20300, and a min. 3 semesters of DANC 40300

DANC 20300	DanceTCU I	0.5
DANC 40300	DanceTCU II	0.5

1.5 hours as cast for DANC 20300, and 1.5 hours as cast for 40300. .5 credit must be earned in the first two semesters.

#### Anatomy-Somatics-Conditioning Courses (7 hours)

DANC 10211	Pilates I	1
DANC 10221	Pilates II	1
DANC 20211	Pilates III	1
DANC 10341	The Working Body	1
DANC 20303	Functional Anatomy	3

#### Choreography Courses (9 hours)

DANC 10312	CHOR I: Improvisation	2
DANC 20322	Choreography II: Elements of Dance Composition	2
DANC 30332	Choreography III: Intermediate Dance Composition	2
DANC 40343	Choreography IV: Advanced Dance Composition	3

#### Production Courses (9 hours)

DANC 10300	Dance Production Practicum I (0.5 each semester)	1.5 total
DANC 30300	Dance Production Practicum II (0.5 each semester)	1.5 total
DANC 20333	Dance Production	3
DANC 30333	Lighting Design for Dance	3

#### Dance Studies Courses (9 hours)

DANC 40373	Dance History I	3
DANC 40383	Dance History II	3
DANC 40293	Critical Studies in Dance	3

#### Additional Courses (13 hours)

DANC 10302	Music for Dancers	2
DANC 10311	Career Preparation I	1
DANC 10331	International Dance Forms	1
DANC 30132	Teaching Methods-Ballet	2
DANC 30311	Career Preparation II	1
	Approved dance related electives	6

#### BFA Capstone Course (3 hours)

DANC 40393	BFA Capstone	3
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#### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.*

### Suggested Courses for First-year

#### Fall (11.5 hours)

DANC 10211	Pilates I	1
DANC 10300	Dance Production Practicum I	0.5
	OR	
DANC 20300	DanceTCU I	0.5
DANC 10311	Career Preparation I	1
DANC 20200	Modern Dance Technique Level I	2.5
DANC 20333	Dance Production	3
DANC 30100	Classical Ballet Technique Level II	2.5
DANC 30111	Pointe	1
	OR	
DANC 30181	Ballet Partnering	1

#### TCU Core Curriculum (6 hours)

#### Spring (12.5 hours)

DANC 10300	Dance Production Practicum I	0.5
	OR	
DANC 20300	DanceTCU I	0.5
DANC 10221	Pilates II	1
DANC 10302	Music for Dancers	2
DANC 10312	CHOR I: Improvisation	2
DANC 10341	The Working Body	1
DANC 20200	Modern Dance Technique Level I	2.5
DANC 30100	Classical Ballet Technique Level II	2.5
DANC 30111	Pointe	1

\*DANC 30100 2.5 hours required

## Modern Dance, BFA

### Major Requirements (83 credits)

Modern Dance (MODA) majors must earn a minimum of 2.5 credit hours at the highest level of modern dance technique for graduation. Daily Modern Dance Technique class is required every semester, all four years.

#### Modern Dance Technique (20 hours as advised)

DANC 20200	Modern Dance Technique Level I	2.5
DANC 30200	Modern Dance Technique Level II	2.5
DANC 40200	Modern Dance Technique Level III	2.5

#### Additional Modern Dance Performance Courses (4 hours)

DANC 20262	Contact Improvisation	2
DANC 40272	Advanced Performance Practicum	2

#### Ballet Technique (5 hours as advised)

DANC 20100	Classical Ballet Technique Level I	1-2.5
DANC 30100	Classical Ballet Technique Level II	2-2.5
DANC 40100	Classical Ballet Technique Level III	2-2.5
DANC 40150	Classical Ballet Technique Level IV	2-2.5

#### Performance Courses (3 credits total over 6 semesters)

3 semesters of DANC 20300, and a min. 3 semesters of DANC 40300

DANC 20300	DanceTCU I	0.5
DANC 40300	DanceTCU II	0.5

1.5 hours as cast for DANC 20300, and 1.5 hours as cast for 40300. .5 credit must be earned in the first two semesters.

#### Anatomy-Somatics-Conditioning Courses (8 hours)

DANC 10211	Pilates I	1
DANC 10221	Pilates II	1
DANC 20211	Pilates III	1
DANC 20221	Pilates IV	1
DANC 10341	The Working Body	1
DANC 20303	Functional Anatomy	3

#### Choreography Courses (9 hours)

DANC 10312	CHOR I: Improvisation	2
DANC 20322	Choreography II: Elements of Dance Composition	2
DANC 30332	Choreography III: Intermediate Dance Composition	2
DANC 40343	Choreography IV: Advanced Dance Composition	3

#### Production Courses (9 hours)

DANC 10300	Dance Production Practicum I (0.5 each semester)	1.5 total
DANC 30300	Dance Production Practicum II (0.5 each semester)	1.5 total
DANC 20333	Dance Production	3
DANC 30333	Lighting Design for Dance	3

#### Dance Studies Courses (9 hours)

DANC 40373	Dance History I	3
DANC 40383	Dance History II	3

DANC 40293	Critical Studies in Dance	3
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#### Additional Courses (13 hours)

DANC 10302	Music for Dancers	2
DANC 10311	Career Preparation I	1
DANC 10331	International Dance Forms	1
DANC 30232	Teaching Methods - Modern Dance	2
DANC 30311	Career Preparation II	1
	Approved dance related electives	6

#### BFA Capstone Course (3 hours)

DANC 40393	BFA Capstone	3
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### Suggested Courses for First-year

#### Fall (10.5 hours)

DANC 10211	Pilates I	1
DANC 10300	Dance Production Practicum I	0.5
	OR	
DANC 20300	DanceTCU I	0.5
DANC 10311	Career Preparation I	1
DANC 20100	Classical Ballet Technique Level I	2.5
DANC 20200	Modern Dance Technique Level I	2.5
DANC 20333	Dance Production	3

#### TCU Core Curriculum (6 hours)

#### Spring (11.5 hours)

DANC 10221	Pilates II	1
DANC 10300	Dance Production Practicum I	0.5
	OR	
DANC 20300	DanceTCU I	0.5
DANC 10302	Music for Dancers	2
DANC 10312	CHOR I: Improvisation	2
DANC 10341	The Working Body	1
DANC 20200	Modern Dance Technique Level I	2.5

#### TCU Core Curriculum (6 hours)

### Ballet and Modern Dance BFA

Students may be accepted by audition to the SCC Dance. Students on a single major (BALT or MODA) BFA track wishing to earn a degree in ballet and modern dance (BAMO) must complete the first year of study and submit a written petition to become a double major at the end of the first year.

### Major Requirements (99 credits)

After the first year, Ballet and Modern Dance double majors (BAMO) must earn a minimum of 2.0 credit hours at the highest levels of both ballet and modern dance technique for graduation. Daily Modern Dance Technique and Ballet Technique classes are required every semester, all four years.

#### Ballet Technique (17 hours as advised)

#### Modern Dance Technique (17 hours as advised)

DANC 20200	Modern Dance Technique Level I	1-2.5
DANC 30200	Modern Dance Technique Level II	1-2.5

DANC 40200	Modern Dance Technique Level III	1-2.5
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**Additional Ballet Performance Courses 5 hours as advised**

DANC 30111	Pointe	1
DANC 30161	Ballet Repertoire	1
DANC 30181	Ballet Partnering	1

**Additional-Modern-Dance-Performance-Courses-4-hours**

DANC 20262	Contact Improvisation	2
DANC 40272	Advanced Performance Practicum	2

**Performance Courses (3 credits total over 6 semesters)**

DANC 20300	DanceTCU I	0.5
DANC 40300	DanceTCU II	0.5

1.5 hours as cast for DANC 20300, and 1.5 hours as cast for 40300. .5 credit must be earned in the first two semesters.

**Anatomy Somatics Conditioning Courses (8 hours)**

DANC 10211	Pilates I	1
DANC 10221	Pilates II	1
DANC 20211	Pilates III	1
DANC 20221	Pilates IV	1
DANC 10341	The Working Body	1
DANC 20303	Functional Anatomy	3

**Choreography Courses (9 hours)**

DANC 10312	CHOR I: Improvisation	2
DANC 20322	Choreography II: Elements of Dance Composition	2
DANC 30332	Choreography III: Intermediate Dance Composition	2
DANC 40343	Choreography IV: Advanced Dance Composition	3

**Production Courses (9 hours)**

DANC 10300	Dance Production Practicum I (0.5 each semester)	1.5 total
DANC 30300	Dance Production Practicum II (0.5 each semester)	1.5 total
DANC 20333	Dance Production	3
DANC 30333	Lighting Design for Dance	3

**Dance Studies Courses (9 hours)**

DANC 40373	Dance History I	3
DANC 40383	Dance History II	3
DANC 40293	Critical Studies in Dance	3

**Additional Courses (15 hours)**

DANC 10302	Music for Dancers	2
DANC 10311	Career Preparation I	1
DANC 10331	International Dance Forms	1
DANC 30132	Teaching Methods-Ballet	2
DANC 30232	Teaching Methods - Modern Dance	2
DANC 30311	Career Preparation II	1
	Approved dance related electives	6

**BFA Capstone Course (3 hours)**

DANC 40393	BFA Capstone	3
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**University Requirements**

*Undergraduate degree (120 hours minimum)*  
*Upper-level coursework taken at TCU (42 hours minimum)*  
 TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Department of Design**

The Department of Design administers the Bachelor of Fine Arts degrees in graphic design and interior design. The Bachelor of Science degree in design studies, a minor in architectural lighting design, and a certificate program in design studies.

A minimum of 81 semester hours is required for the BFA in graphic design; a minimum of 48 semester hours is required for the BS in design studies, a minimum of 81 semester hours is required for the BFA in interior design; and a minimum of 18 semester hours is required for the certificate in design studies; a minimum of 18 semester hours is required for the architectural design minor. The degree plans are outlined below.

- BFA degree GRDE
- BS degree DEST
- BFA degree in INDE
- Minor in ARLD
- Certificate in Design Studies

**Minimum Grade Requirement**

All courses taken in the major or minor sequences must be passed with a "C" or better to fulfill graduation requirements. The Department of Design requires a minimum cumulative GPA of 2.0 at all times.

**Departmental Requirements**

A minimum 2.5 cumulative GPA in the major is a prerequisite to upper-division departmental courses. After entrance into upper-division courses, a minimum 2.5 GPA must be maintained to advance.

All students planning to pursue a major in this department start as either graphic design pre-majors (GDPM) or interior design pre-majors (IDPM). This status may only be changed to the major following qualification by portfolio examination, usually at the end of the first year.

Incoming students (including transfer students) must have declared the pre-major **before** orientation. It will not be available at orientation.

The optional admission portfolio is strongly recommended. Instructions can be found online at: <https://finearts.tcu.edu/design/admission/>.

The Qualifying Portfolio Examination is conducted following the first-year sequence of classes for all departmental degree programs, the BFA in graphic design, the BS in design studies and the BFA in interior design. Following qualification, the student will be invited to declare the major for which they qualified.

This portfolio examination is a holistic assessment of the individual student's aptitude for success in the department's rigorous academic programs and in preparation for very competitive career paths. While every effort is made to be fair, above-average course grades do not necessarily predict success in the portfolio examination.

**Graphic Design Requirements****Qualifying Examination Policy**

An annual qualifying portfolio examination is required for all students wishing to continue in the Graphic Design Program, whether or not they are graphic design or design studies majors; contingencies may include the student being required to repeat courses or removal from the Graphic Design/Design Studies programs.

**Laptop Policy**

A laptop computer is strongly recommended, especially after the student passes the first qualifying portfolio examination. The Graphic Design and Design Studies programs use Macintosh computers. The MacBook Pro is recommended. Once students are enrolled at TCU, they

can subscribe to specialized software including Adobe CC at a reduced rate.

## Field Trips

Field trips may be required by instructors of any course. Every effort will be made to ensure that these trips do not conflict with other portions of a student's schedule.

## Honors College

Graphic Design majors who plan to pursue Departmental Honors must be accepted by the Honors College. They must remain enrolled in the Honors College through completion of ARGD 40003. They must enroll in ARGD 30003 during their junior year, and ARGD 40003 during the next-to-last semester of their senior year.

## Transfer Students

Transfer students must have a 2.5 minimum GPA in design and present a portfolio or photographs/slides of their work for evaluation by the Department of Graphic Design at least one week prior to registration or at the time of advisement.

## Graphic Design Pre-major

Students intending to major in graphic design or design studies must declare "graphic design pre-major (GDPM)" until passing the qualifying first required, qualifying portfolio examination, immediately following the completion of all design foundation courses. If passed, with a score of 3 or higher, the student will be allowed to declare the BS in Design Studies major. If passed with a score of 4 or 5, the student will be allowed to declare the BFA in Graphic Design major. Non-qualifying students will be denied continuation and required to drop the pre-major.

## Interior Design Requirements

### Qualifying Examination Policy

While all interested students may declare the Interior Design pre-major at the first-year level, a mandatory competitive first-year qualifying portfolio examination occurs at the end of the spring semester. A limited number of students will be selected to continue in the program based on skills demonstrated through the portfolio. Successfully passing of the qualifying portfolio examination is required to continue in the major.

### Laptop Policy

After successful passage of the first-year portfolio examination, interior design majors entering their second year will be required to purchase a PC laptop and required software. Details and specifications for the laptop will be provided. Once students are enrolled at TCU, they can subscribe to specialized software including Adobe CC at a reduced rate.

### Transfer Policy

Transfer students wishing to declare the interior design major may submit a comprehensive portfolio to the attention of the Interior Design Program coordinator after they have been accepted to the University. Detailed portfolio requirements, deadlines and procedure are available from the Department of Design main office. All portfolio decisions are final. It is the transfer student's responsibility to be aware of and comply with departmental procedure.

### Interior Design Pre-major

Students intending to major in interior design must declare "interior design pre-major (IDPM)" until passing the qualifying portfolio examination, immediately following the completion of all design foundation courses. If passed with a score of 4 or 5, the student will be allowed to declare the BFA in Interior Design major. Non-qualifying students will be denied continuation and required to drop the pre-major.

### Senior Thesis Exhibition 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 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 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 a student's undergraduate degree program and for two years following graduation.

## Student Exhibitions:

Undergraduate student exhibitions take place various times during the year in the Art Galleries at TCU. No work may be removed from exhibitions without department 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.

## Certificate in Design Studies

The Certificate in Design Studies is a skills-oriented program intended to complement any other degree that requires or values strong design, planning and problem-solving skills. Design pre-majors not continuing into a BFA or BS plan may declare the certificate after completion of all coursework in the 18-hour **Design Foundation** sequence with a "C" or better. There are no prerequisites and no portfolio qualification requirements for these courses or this course sequence.

## Design Foundation

### Design Foundation

Required for all Department of Design majors (18 hours)

DSGN 10103	Introduction to Creative Practice	3
	fall semester only	
DSGN 10113	Drawing for Design	3
	fall semester only	
DSGN 10123	Two-Dimensional Design Principles	3
	fall semester only	
DSGN 10133	Color and Light Theory	3
	spring semester only	
DSGN 10143	Three-Dimensional Design Principles	3
	spring semester only	
DSGN 10153	Introduction to Computer Graphics	3
	spring semester only	

## Design Studies, BS (48 hours)

The BS in design studies is a liberal-arts major. It supplies the graduate with a strong foundation in applied design theory, which is usually combined with another major or minor academic interest. This degree does not require a minor.

The BS allows concentrations in architectural lighting design (ARLD), graphic design, or multidisciplinary design.

To earn the BS with a major in design studies, all students must complete the Design Foundation, Design Theory and Design History components, along with all relative concentration requirements selected from Architectural Lighting Design, Graphic Design, or Multidisciplinary Design.

## Major Requirements

### Design Foundation (18 hours; required for all concentrations)

DSGN 10103	Introduction to Creative Practice	3
	fall semester only	
DSGN 10113	Drawing for Design	3
	fall semester only	
DSGN 10123	Two-Dimensional Design Principles	3
	fall semester only	
DSGN 10133	Color and Light Theory	3
	spring semester only	

DSGN 10143	Three-Dimensional Design Principles spring semester only	3
DSGN 10153	Introduction to Computer Graphics spring semester only	3

**Design Theory (9 hours required for all concentrations)**

ARLD 20503	Fundamentals of Lighting	3
ARGD 20323	Typography	3
ARGD 20503	The Digital Portfolio	3

**Design History (6 hours)**

\* Choose from the following approved upper-division Design History electives:

ARGD 30603	History of Graphic Design	3
ARGD 40603	History of Advertising Design	3
INDE 30473	History of Interiors I	3
INDE 30483	History of Interiors II	3
ARGD 30000+	Other advisor pre-approved design history course	3

**ARLD-Concentration-Required-courses-12-hours**

ARLD 20513	Digital Media in Lighting	3
ARLD 30503	Lighting and the Human Experience	3
ARLD 30513	Lighting for Interior Design I	3
ARLD 40503	Lighting for Interior Design II	3

**ARLD Concentration: Required Capstone course (3 hours)**

ARLD 40513	Senior Thesis in Lighting	3
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**Graphic Design Concentration: Required Course (12 hours)**

ARGD 20333	Intermediate Design Practices	3
ARGD 30323	Advanced Design Practices	3
ARGD 30000+	GRDE Approved Elective*	3
ARGD 30000+	GRDE Approved Elective*	3

**\*Graphic Design upper-division electives:**

ARGD 30400	Illustration (once only)	3
ARGD 30423	Publication Design	3
ARGD 30433	Package Design	3
ARGD 30443	Corporate Identity	3
ARGD 30453	Computer Applications to Graphic Design	3
ARGD 30473	Advanced Computer Applications to Graphic Design	3
ARGD 30523	Advertising Design	3
ARGD 40203	The Business of Design	3
ARGD 40233	Design Entrepreneurship	3
ARGD 40300	Visiting Designers qualification required	3-6
ARGD 40410	Graphic Design Internship qualification required	3-6
ARGD 40970	Special Problems	1-21
ARGD 30000+	Other advisor pre-approved design or design history course	3

**Graphic Design Concentration: Capstone course (3 hours)**

ARGD 40403	Portfolio Enhancement	3
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**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.*

**Graphic Design, BFA (81 hours)**

The graphic design major prepares students for a career as a professional graphic designer. It educates in creativity, design process, technical skills and theory. This degree does not require a minor. To earn a BFA with a major in graphic design, in addition to the 18-hour **Design Foundation**, students must complete the requirements outlined below.

**Major Requirements****Design Foundation (18 hours; required for all majors)**

DSGN 10103	Introduction to Creative Practice fall semester only	3
DSGN 10113	Drawing for Design fall semester only	3
DSGN 10123	Two-Dimensional Design Principles fall semester only	3
DSGN 10133	Color and Light Theory spring semester only	3
DSGN 10143	Three-Dimensional Design Principles spring semester only	3
DSGN 10153	Introduction to Computer Graphics spring semester only	3

**Design History (12 hours)**

ARHI 10043	Introduction to Art History	3
ARGD 30603	History of Graphic Design	3
	AND	
ARGD 30000+	Approved Graphic Design History Electives	
	OR	
INDE 30000+	Approved Interior Design History Elective	
	OR	
ARGD 30000+	Approved Graphic Design History Electives	

**Graphic Design Concentration (51 hours)**

ARGD 20301	Professional Development for Graphic Designers	1
ARGD 20323	Typography	3
ARGD 20503	The Digital Portfolio	3
ARGD 30301	Professional Recognition for Graphic Designers	1
ARGD 30323	Advanced Design Practices	3
ARGD 30423	Publication Design	3
ARGD 30433	Package Design	3
ARGD 30443	Corporate Identity	3
ARGD 30453	Computer Applications to Graphic Design	3



ARGD 30473	Advanced Computer Applications to Graphic Design	3
ARGD 30523	Advertising Design	3
ARGD 40143	Senior Thesis in Visual Communication	3
ARGD 40410	Graphic Design Internship	3-6
ARGD 40413	Portfolio and Marketing	3
ARGD 30000+	Advisor-Approved Upper-Division Graphic Design Electives	6

### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Graphic Design Courses

ARGD 20301	Professional Development for Graphic Designers	1
ARGD 20323	Typography	3
ARGD 20333	Intermediate Design Practices	3
ARGD 20503	The Digital Portfolio	3
ARGD 30301	Professional Recognition for Graphic Designers	1
ARGD 20970	Intermediate Studio	1-20
ARGD 30323	Advanced Design Practices	3
ARGD 30400	Illustration (only 3 hours may be applied to either the BS or BFA degree program)	3-15
ARGD 30423	Publication Design	3
ARGD 30433	Package Design	3
ARGD 30443	Corporate Identity	3
ARGD 30453	Computer Applications to Graphic Design	3
ARGD 30463	Experience Design	3
ARGD 30473	Advanced Computer Applications to Graphic Design	3
ARGD 30523	Advertising Design	3
ARGD 30533	Advanced Advertising Design	3
ARGD 40143	Senior Thesis in Visual Communication	3
ARGD 40300	Visiting Designers	3-6
	qualification required	
ARGD 40403	Portfolio Enhancement	3
	BS only	
ARGD 40410	Graphic Design Internship	3-6
	qualification required	
ARGD 40413	Portfolio and Marketing	3
ARGD 40970	Special Problems	1-21

## Interior Design, BFA (78 hours)

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 NCIDQ

certification and state licensing. This degree does not require a minor. To earn the BFA with a major in interior design, in addition to the 18-hour **Design Foundation**, students must complete the requirements outlined below.

## Major Requirements

Design Foundation (18 hours; required for all majors)

### Design Foundation (18 hours; required for all majors)

DSGN 10103	Introduction to Creative Practice	3
DSGN 10113	Drawing for Design	3
DSGN 10123	Two-Dimensional Design Principles	3
DSGN 10133	Color and Light Theory	3
DSGN 10143	Three-Dimensional Design Principles	3
DSGN 10153	Introduction to Computer Graphics	3

### Design History (9 hours)

ARHI 10043	Introduction to Art History	3
INDE 30473	History of Interiors I	3
INDE 30483	History of Interiors II	3

### Interior Design Requirements

INDE 20413	Applications in Design Process and Theory	3
INDE 20433	Interior Design Illustration	3
INDE 20443	Interior Design I	3
INDE 20453	Interior Components	3
INDE 20463	Building Systems and Interior Construction	3
ARLD 20503	Fundamentals of Lighting	3
INDE 30073	Digital Media for Interior Design	3
INDE 30093	Professional Practices I	3
INDE 30413	Interior Design II	3
INDE 30423	Construction Documentation	3
INDE 30493	Interior Design III	3
INDE 40403	Interior Design Senior Thesis Exhibition	3
INDE 40433	Interior Design Research	3
INDE 40453	Professional Practices II	3
INDE 40463	Interior Design IV	3
INDE 40473	Interior Design V	3
INDE 40493	Interior Design Internship	3

### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements

### Interior Design Courses

INDE 10403	Space and Color Theory	3
INDE 10411	Hand Sketching for Interiors	1
INDE 10413	Design Fundamentals	3
INDE 10421	Introduction to Space Planning	1
INDE 10423	Introduction to Interior Design	3
INDE 20413	Applications in Design Process and Theory	3
INDE 20433	Interior Design Illustration	3
INDE 20443	Interior Design I	3

INDE 20453	Interior Components	3	ARLD 30503	Lighting and the Human Experience	3
INDE 20463	Building Systems and Interior Construction	3	ARLD 30513	Lighting for Interior Design I	3
INDE 30003	Honors Tutorial in Interior Design	3	ARLD 40003	Senior Honors Project in Architectural Lighting Design	3
INDE 30073	Digital Media for Interior Design	3	ARLD 40503	Lighting for Interior Design II	3
INDE 30093	Professional Practices I	3	ARLD 40513	Senior Thesis in Lighting	3
INDE 30413	Interior Design II	3	ARLD 40970	Special Problems	1-6
INDE 30423	Construction Documentation	3			
INDE 30473	History of Interiors I	3			
INDE 30483	History of Interiors II	3			
INDE 30493	Interior Design III	3			
INDE 40003	Senior Honors Project in Interior Design	3			
INDE 40403	Interior Design Senior Thesis Exhibition	3			
INDE 40433	Interior Design Research	3			
INDE 40453	Professional Practices II	3			
INDE 40463	Interior Design IV	3			
INDE 40473	Interior Design V	3			
INDE 40493	Interior Design Internship	3			
INDE 40970	Special Problems	1-6			

## Minor in Architectural Lighting Design (18 hours)

### Minor Requirements

Due to prerequisite sequencing and fall/spring rotation of courses, the ARLD minor requires a minimum of four long semesters to complete. Departmental advising is required for all ARLD minors each semester.

#### Required Courses

ARLD 20503	Fundamentals of Lighting	3
ARLD 20513	Digital Media in Lighting	3
ARLD 40513	Senior Thesis in Lighting	3

#### Three of these courses

DSGN 10103	Introduction to Creative Practice	3
ARST 20743	Photography	3
DANC 30333	Lighting Design for Dance	3
ARGD 20323	Typography	3
ARGD 20503	The Digital Portfolio	3
ARLD 30503	Lighting and the Human Experience	3
ARLD 30513	Lighting for Interior Design I	3
ARLD 40503	Lighting for Interior Design II	3
THEA 11253	Stagecraft & Stage Lighting	3
THEA 31443	Lighting Design	3

## Architectural Lighting Design Courses

ARLD 10433	Freshman Seminar in Architectural Lighting Design	3
ARLD 20503	Fundamentals of Lighting	3
ARLD 20513	Digital Media in Lighting	3
ARLD 30003	Honors Tutorial in Architectural Lighting Design	3

## Certificate in Design Studies (18 hours)

### Certificate Requirements

#### Required Courses

DSGN 10103	Introduction to Creative Practice	3
DSGN 10113	Drawing for Design	3
DSGN 10123	Two-Dimensional Design Principles	3
DSGN 10133	Color and Light Theory	3
DSGN 10143	Three-Dimensional Design Principles	3
DSGN 10153	Introduction to Computer Graphics	3

## Department of Fashion Merchandising

The Department of Fashion Merchandising offers the Bachelor of Science (BS) degree.

#### Pass/No-Credit Policy

No course applied to the student's major, minor or associated requirements may be taken on the P/NC basis.

#### Minimum Grade Requirement

A 2.5 cumulative GPA is required to declare fashion merchandising as a major. To advance to upper-level courses and to graduate as a major in fashion merchandising, students must attain a "C" or better in all FAME courses.

#### Microsoft Certification

Successfully complete Microsoft Office Certification in Excel at the basic level through the Neeley School of Business or Certiport. Documentation of certification must be provided to the fashion merchandising department's main office. It is recommended that it is completed in the first two semesters but must be successfully finished before students are eligible to enroll in FAME 30253 Merchandise Buying.

#### Honors College

Students who are members of the Honors College may pursue Departmental Honors in Fashion Merchandising. See FAME 30003, FAME 40003.

#### Fashion Merchandising Summer Study Programs

Summer study programs in New York, New York, Paris, France and London, England are available to fashion 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, France and London, England Program offers exposure to both historic and contemporary fashion, and design as well as cultural trends and influences. Each program offers 3 credit hours of undergraduate credit that applies to the major.

#### Fashion Merchandising Required Summer Internship Course

All fashion merchandising students are required to complete FAME 40283 Fashion Internship which is an important class in their degree plan. This course is for college credit and is supervised by a faculty member throughout the student's internship. Students complete class assignments related to their internship work experience during the summer semester and tuition is charged. Students will either take this 10-week course the summer following their junior year if they are a December or May graduate or the summer following their senior year if

they are an August graduate. NOTE: Credit will not be awarded for any internship or work experience other than FAME 40283.

## Fashion Merchandising Student Affiliations

Students who demonstrate high scholarship are eligible for membership in the Beta Zeta chapter of Phi Upsilon Omicron, a national honor society. Opportunities are available for students to affiliate with student sections of professional organizations, including Fashion Group International.

## Fashion Merchandising, BS (56 hours)

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:

Required major courses:

FAME 10243	Introduction to the Fashion Industry	3
FAME 20243	Global Fashion Consumers	3
FAME 20253	Textile Fundamentals	3
FAME 20263	Fashion Drawing Fundamentals	3
FAME 20273	Apparel Construction	3
FAME 20283	Fashion Marketing and Digital Merchandising	3
FAME 30233	History of Modern Dress and Culture	3
FAME 30253	Merchandise Buying	3
FAME 30273	Digital Design	3
FAME 30292	Career Development for Merchandising	2
FAME 30293	Product Development	3
FAME 40013	Entrepreneurship in Merchandising	3
FAME 40203	Appearance and Dress	3
FAME 40243	Global Trade of Textiles and Apparel	3
FAME 40253	Textile Testing and Analysis	3
FAME 40263	Merchandise Planning and Analysis	3
FAME 40283	Fashion Internship	3
FAME	Approved Elective	3
FAME	Approved Elective	3

\*\*Additional 6 hours of electives in the major

### Related Requirements:

ECON 10223	Introductory Microeconomics	3
	OR	
ECON 10233	Introductory Macroeconomics	3
PSYC 10213	Introduction to Psychology	3
	OR	
SOCI 20213	Introductory Sociology	3

### Associated Requirement:

DSGN 10153	Introduction to Computer Graphics	3
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### Minor Requirements:

General business, journalism, art, foreign language, communication studies, writing (English), architectural lighting design or another approved minor.

### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum requirements*

## Suggested Courses for First-year

### Fall or Spring (12 hours)

DSGN 10153	Introduction to Computer Graphics	3
FAME 10243	Introduction to the Fashion Industry	3
FAME 20253	Textile Fundamentals	3
	Core Curriculum Requirement 3 credits	3

### Spring (6-7 hours)

ECON 10223	Introductory Microeconomics	3
	OR	
ECON 10233	Introductory Macroeconomics	3
PSYC 10213	Introduction to Psychology	3
	OR	
SOCI 20213	Introductory Sociology	3
	Core Curriculum Requirement 3 credits	3
	Core Curriculum Requirement 3 credits	3

## Fashion Merchandising Electives:

### Fashion Merchandising Course Subcategories

FAME 10433	Freshman Seminar in Fashion Merchandising	3
FAME 20223	Sustainability Issues in Fashion Industry	3
FAME 20303	Topics in Design and Merchandising	3
FAME 30003	Honors Tutorial in Fashion Merchandising	3
FAME 30283	Technical and Creative Apparel Design	3
FAME 40003	Senior Honors Project in Fashion Merchandising	3
FAME 40093	New York Study Program	3
FAME 40223	Advance Topics in Merchandising	3
FAME 40970	Special Problems	1-6

## School of Music

### School of Music Overview

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; the Bachelor of Arts degree (BA) in music; and a music minor.

### Admission/Audition

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. In addition, two separate letters of recommendation attesting to the candidate's musical accomplishments and ability must be provided. These required materials are uploaded through the School of Music Web site.

Applicants applying in music composition must also mail physical copies of original scores and papers to the School of Music in support of their application. Applicants unable to visit the campus for a live audition may submit a video audition with the above required materials. Detailed audition repertoire requirements as well as mailing instructions are available on the School of Music website.

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.

### Honors College

Music majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in MUSI 40003 the fall semester of their senior year.

### School Facilities

The TCU School of Music is housed in historic Ed Landreth Hall, the Mary D. and F. Howard Walsh Center for Performing Arts, Secrest-Wible Building, Foster Hall, Waits Hall and Jarvis Hall and the new TCU Music Center. 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.

The Music Center includes over 7,500 square feet of band, orchestra and percussion rehearsal space, as well as instructional facilities, faculty studios and practice rooms. At the heart of this new building is the Van Cliburn Concert Hall at TCU, an intimate 700-seat, state of the art hall.

Located on the southeast side of the TCU campus, the Secrest-Wible Building serves the TCU Opera and contains a 100-seat rehearsal studio theatre, classroom, and the John Large Vocal Arts Laboratory.

The third floor of 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 five 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 Coats Burnett Library.

## School of Music Requirements

### Keyboard Skills

Unless exempted by testing, all music majors, register for MUSI 11030, (Class Piano), in the first semester, and must continue in classes until they pass the Keyboard Proficiency exam. This requirement must be met by the end of the sophomore year. Students are not allowed to register for upper-division courses in music 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 pass MUSI 11000, Recital/Concert - Attendance (Recital Hour), for each regular semester. This is a pass/fail, zero-credit hour course. First-year students may enroll in UNLF 10211, University Life, during the fall semester and then take Recital Hour in the spring. B.M.E. students do not take Recital Hour the semester they are student teaching. Ninth semester students are not required to enroll in Recital Hour.

To receive credit, students must attend a total of 15 events each semester; 6 classes and 9 performances, chosen from faculty and guest artist recitals, student recitals and TCU ensemble concerts. Programs must be signed by a TCU faculty member at the end of the concert for it to count toward attendance. At the end of the semester, students fill out a Recital Hour Concert Attendance sheet and submit a packet of signed programs. The packet is due in the SoM office by 5 p.m. Friday after the last day of classes.

Two-steps ensure that students in the School of Music are fulfilling the requirements for Recital Hour:

- Students must pass 3 semesters of Recital Hour before they are eligible to sign up for their sophomore barrier.
- Students must pass 6 semesters of Recital Hour before they are eligible to sign up for their senior recital.

Failure to do these steps may impact progress toward completion the degree program.

### Passing Grade Requirement

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, BM

## Music Courses Suggested for the First-year: BM, BME and BA

The BM with a major in performance-piano requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

## Music Requirements

### Ensembles (4 hours total, .5 hour each semester)

Choral Ensemble-1 semester (Choose from MUSI 10040, MUSI 10060 or MUSI 10130 / MUSI 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	1
MUSI 10203	Elementary Theory	3

MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2
MUSI 50203	Musical Structure and Style	3

**Music History (17 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI 50433	Keyboard Literature I Pre-Baroque through Classical	3
MUSI 50533	Keyboard Literature II Romantic through Contemporary	3

**Performance Pedagogy (4 hours)**

MUSI 30052	Beginning Piano Pedagogy	2
MUSI 30062	Intermediate Piano Pedagogy	2

**Functional Piano (2 hours)**

MUSI 20071	Functional Piano	1
MUSI 20081	Functional Piano	1

**Conducting (2 hours)**

MUSI 20512	Introduction to Conducting	2
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**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Music Electives (3 hours)**

Must include three hours of Advanced Music Theory or Advanced Music History

**Acoustics (2 -3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2
	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Organ, BM**

The BM with a major in performance-organ requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**Music Requirements****Ensembles (4 hours total-.5 hour each semester)****Chamber Music or Collaborative Piano - 4 semesters**

MUSI 10080	Chamber Music	0.5
MUSI 10170	Undergraduate Collaborative Piano	0.5

**Choral Ensemble - 4 semesters**

MUSI 10040	Concert Chorale	0.5
MUSI 10060	University Singers	0.5
MUSI 10130	Cantiamo	0.5

**Studio Performance Lessons (24 hours)**

Lower Division-12 hours

Upper Division-12 hours

**Music Theory (25 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2
MUSI 50203	Musical Structure and Style	3

**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI 50433	Keyboard Literature I Pre-Baroque through Classical	3

**Performance Pedagogy (4 hours)**

MUSI 30052	Beginning Piano Pedagogy	2
MUSI 30062	Intermediate Piano Pedagogy	2

**Functional Piano (2 hours)**

MUSI 20071	Functional Piano	1
MUSI 20081	Functional Piano	1

**Conducting (2 hours)**

MUSI 20512	Introduction to Conducting	2
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**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Music Electives (5 hours)**

Must include three hours of Advanced Music Theory or Advanced Music History

**Acoustics (2-3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2
	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Piano Pedagogy, BM**

The BM with a major in performance-piano pedagogy requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**Music Requirements****Ensembles (4 hours total- .5 hour each semester)****Choral Ensemble- 1 semester**

Choose from:

MUSI 10040	Concert Chorale	0.5
MUSI 10060	University Singers	0.5
MUSI 10130	Cantiamo	0.5

**Undergraduate Collaborative Piano- 4 semesters**

MUSI 10170	Undergraduate Collaborative Piano	0.5
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**Chamber Music- 3 semesters**

MUSI 10080	Chamber Music	0.5
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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	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2

MUSI 50203	Musical Structure and Style	3
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**Music History (17 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI 50433	Keyboard Literature I Pre-Baroque through Classical	3
MUSI 50533	Keyboard Literature II Romantic through Contemporary	3

**Performance Pedagogy (8 hours)**

MUSI 30052	Beginning Piano Pedagogy	2
MUSI 30062	Intermediate Piano Pedagogy	2
MUSI 40052	Group Piano Pedagogy	2
MUSI 40062	Piano Teaching Internship	2

**Functional Piano (2 hours)**

MUSI 20071	Functional Piano	1
MUSI 20081	Functional Piano	1

**Conducting (2 hours)**

MUSI 20512	Introduction to Conducting	2
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**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Music Electives (3 hours)**

Must include three hours of Advanced Music Theory or Advanced Music History

**Education (6 hours)**

EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3

**Acoustics and Natural Science (10-11 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2
	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

PSYC 10514	Principles of Behavior I	4
PSYC 10524	Principles of Behavior II	4

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Wind and Percussion Instruments, BM**

The BM in performance-wind and percussion instruments requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

## Music Requirements

### Ensembles (6 hours total - .5 hour each semester minimum)

#### Large Ensembles - 8 semesters

MUSI 10010	Wind Symphony	0.5
MUSI 10120	Symphony Orchestra	0.5
MUSI 10190	Jazz Ensemble	0.5
MUSI 10210	Symphonic Band	0.5

#### Chamber Music - 4 semesters

MUSI 10020	Percussion Ensemble	0.5
MUSI 10050	Steel Band I	0.5
MUSI 10080	Chamber Music	0.5
MUSI 10090	Woodwind Ensemble	0.5
MUSI 10160	Brass Ensemble	0.5
MUSI 10240	Steel Band II	0.5
MUSI 10320	Percussion Ensemble II	0.5

#### Studio Performance Lessons (24 hours)

Lower Division-12 hours

Upper Division-12 hours

#### Music Theory (23 hours)

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
	OR	
MUSI 30232	Counterpoint	2
MUSI 50203	Musical Structure and Style	3

#### Music History (14 hours)

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3

#### Instrumental Performance Pedagogy (3 hours)

MUSI 40033	Instrumental Performance Pedagogy	3
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#### Conducting (4 hours)

MUSI 20512	Introduction to Conducting	2
MUSI 30522	Instrumental Conducting	2

#### Recitals (2 hours)

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

#### Electives (8 hours)

Any MUSI or MUSP courses beyond those required in the major. Must include three hours of Advanced Music Theory or Advanced Music History

#### Additionally, the following courses can also receive credit as an elective:

ARLE 20103	Introduction to Arts Leadership and Entrepreneurship	3
ARLE 30103	Leadership, Dynamics and Planning in the Arts	3
ARLE 30203	Financial Management and Fundraising in Arts Organizations	3
ARLE 30303	Audiences, Community, Programs and Marketing in Arts Organizations	3
ARLE 30403	The Creative Economy	3
ARLE 40103	Arts Leadership and Entrepreneurship Experience	3
ARLE 40903	Internship in Arts Leadership and Entrepreneurship	3

#### Acoustics (2-3 hours)

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2
	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

#### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.*

## String Instruments, BM

The BM with a major in performance-string instruments requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

## Music Requirements

### Ensembles (6 hours total- .5 hour each semester minimum)

#### Symphony Orchestra- 8 semesters

MUSI 10120	Symphony Orchestra	0.5
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#### Chamber Music- 4 semesters

MUSI 10080	Chamber Music	0.5
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#### Studio Performance Lessons (24 hours)

Lower Division-12 hours

Upper Division-12 hours

#### Music Theory (23 hours)

MUSI 10201	Elementary Ear Training	1
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MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
	OR	
MUSI 30232	Counterpoint	2
MUSI 50203	Musical Structure and Style	3

**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3

**Instrumental Performance Pedagogy (3 hours)**

MUSI 40033	Instrumental Performance Pedagogy	3
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**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30522	Instrumental Conducting	2

**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Electives (8 hours)**

Any MUSI or MUSP courses beyond those required in the major. Must include three hours of Advanced Music Theory or Advanced Music History.

**Additionally, the following courses can also receive credit as an elective**

ARLE 20103	Introduction to Arts Leadership and Entrepreneurship	3
ARLE 30103	Leadership, Dynamics and Planning in the Arts	3
ARLE 30203	Financial Management and Fundraising in Arts Organizations	3
ARLE 30303	Audiences, Community, Programs and Marketing in Arts Organizations	3
ARLE 30403	The Creative Economy	3
ARLE 40103	Arts Leadership and Entrepreneurship Experience	3
ARLE 40903	Internship in Arts Leadership and Entrepreneurship	3

**Acoustics (2-3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2

	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Voice, BM**

The BM with a major in performance-voice requires the following:

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**Music Requirements****Ensembles (4 hours total- .5 hour each semester)****Ensemble- 4 semesters****Opera Studio- 4 semesters**

MUSI 10100	Opera Studio	0.5
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**Studio Performance Lessons (20 hours)**

Lower Division-8 hours

Upper Division-12 hours

**Music Theory (23 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2

MUSI 30222	Modal Counterpoint	2
	OR	

MUSI 30232	Counterpoint	2
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MUSI 50203	Musical Structure and Style	3
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**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3

**Vocal Pedagogy (3 hours)**

MUSI 40063	Voice Pedagogy	3
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**Diction (4 hours)**

MUSI 10171	Diction for Singers	1
MUSI 10181	Diction for Singers	1



MUSI 50171	Advanced Diction ¿ English and Italian	1
MUSI 50181	Advanced Diction ¿ German and French	1

**Conducting (2 hours)**

MUSI 20512	Introduction to Conducting	2
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**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Electives (10 hours)**

Any MUSI or MUSP courses beyond those required in the major. Must include three hours of Advanced Music Theory or Advanced Music History.

**Additionally, the following courses can also receive credit as an elective**

ARLE 20103	Introduction to Arts Leadership and Entrepreneurship	3
ARLE 30103	Leadership, Dynamics and Planning in the Arts	3
ARLE 30203	Financial Management and Fundraising in Arts Organizations	3
ARLE 30303	Audiences, Community, Programs and Marketing in Arts Organizations	3
ARLE 30403	The Creative Economy	3
ARLE 40103	Arts Leadership and Entrepreneurship Experience	3
ARLE 40903	Internship in Arts Leadership and Entrepreneurship	3

**Foreign Language (6 hours)**

GRMN 20053	Beginning German III OR	3
FREN 20053	Third Semester College French OR	3
ITAL 20053	Third Semester College Italian	3
GRMN 20063	Intermediate German OR	3
FREN 20063	Fourth Semester College French OR	3
ITAL 20063	Fourth Semester College Italian	3

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Music Theory/Composition, BM**

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:

**Music Requirements****Ensembles (4 hours total-.5 hour each semester)**

Any Ensemble-8 semesters

**Studio Performance Lessons (8 hours)****Music Theory (32 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2
MUSI 30312	Instrumentation	2
MUSI 30322	Orchestration	2
MUSI 30343	Fundamentals of Electro-Acoustic Music	3
MUSI 50203	Musical Structure and Style	3

**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3

**Music Composition (14 hours)**

MUSI 20412	Composition I	2
MUSI 20422	Composition II	2
MUSI 30420	Composition	1-6

Minimum of five semesters

**Instrumental Technique (4 hours)**

MUSI 10051	String Instrument Technique I	1
MUSI 10071	Percussion Technique	1
MUSI 30151	Woodwind Technique I	1
MUSI 30161	Brass Technique I	1

**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30512	Choral Conducting OR	2
MUSI 30522	Instrumental Conducting	2

**Recitals (1 hour)**

MUSP 40991	Recital II	1
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Composers present a recital of their work.

**Music Electives (3 hours)****Acoustics (3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
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**Foreign Language (6 hours)**

Completion of six hours at the sophomore-level or fourth semester demonstrated competency is required.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Theory Emphasis**

The BM with a major in music theory/composition with an emphasis in theory requires the following:

**University Requirements**

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**Music Requirements****Ensembles (4 hours total-.5 hour each semester)**

Any Ensemble-8 semesters

**Studio Performance Lessons (8 hours)****Music Theory (32 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2
MUSI 30312	Instrumentation	2
MUSI 30322	Orchestration	2
MUSI 30343	Fundamentals of Electro-Acoustic Music	3
MUSI 50203	Musical Structure and Style	3

**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3

**Music Composition (4 hours)**

MUSI 20412	Composition I	2
MUSI 20422	Composition II	2

**Instrumental Technique (4 hours)**

MUSI 10051	String Instrument Technique I	1
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MUSI 10071	Percussion Technique	1
MUSI 30151	Woodwind Technique I	1
MUSI 30161	Brass Technique I	1

**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30512	Choral Conducting	2
	OR	
MUSI 30522	Instrumental Conducting	2

**Recitals (1 hour)**

MUSP 40991	Recital II	1
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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)**

Completion of six hours at the sophomore-level or fourth semester demonstrated competency is required.

**Acoustics (3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
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**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Church Music, BM**

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**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	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2

MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2

**Music History (14 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI 50423	Choral Literature	3

**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30512	Choral Conducting	2

**Church Music (6 hours)**

MUSI 30713	Service Playing and Repertory	3
MUSI 50303	History of Sacred Music	3

**Recitals (2 hours)**

MUSP 30991	Recital I	1
MUSP 40991	Recital II	1

**Music Electives (4 hours)****Acoustics (2-3 hours)**

MUSI 30343	Fundamentals of Electro-Acoustic Music	3
	OR	
MUSI 30352	Fundamentals of Digital Recording	2
	OR	
MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2

**Religion Requirements****Introductory Religion (3 hours)**

RELI 10023	Understanding Religion: Communities	3
	OR	
RELI 10033	Understanding Religion: Texts and Ideas	3
	OR	
RELI 10043	Understanding Religion: Society and Culture	3

**Church History or Religion and Learning (6 hours)**

Six hours of Religion courses, chosen in consultation with the program advisor. At least three hours must be upper level.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Music Education, BME**

The School of Music offers the BME degree with the following concentrations:

- Instrumental
- Vocal

**Instrumental Concentration****Music Requirements****Ensembles (4 hours total- .5 hour each semester)****Students with band concentration 8 semesters****Four must be:**

MUSI 10110	Marching Band	0.5
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**Four remaining may be chosen from:**

MUSI 10010	Wind Symphony	0.5
MUSI 10210	Symphonic Band	0.5
MUSI 10190	Jazz Ensemble	0.5

**Students with orchestra concentration- 8 semesters**

Students must enroll in MUSI 10120 each regular semester.

MUSI 10120	Symphony Orchestra	0.5
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**Remaining credits may be chosen from:**

MUSI 10080	Chamber Music	0.5
MUSI 10150	New Music Ensemble	0.5
MUSI 10180	Collegium Musicum	0.5

**Studio Performance Lessons (14 hours)**

Lower Division-8 hours

Upper Division-6 hours

**Music Theory (20 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30312	Instrumentation	2

**Music History (11 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3

**Instrumental Techniques (7 hours)**

Students not required to take technique class in their primary instrument

MUSI 10051	String Instrument Technique I	1
MUSI 10061	String Technique II	1
MUSI 10071	Percussion Technique	1
MUSI 30151	Woodwind Technique I	1
MUSI 30161	Brass Technique I	1
MUSI 30171	Woodwind Technique II	1
MUSI 30181	Brass Technique II	1

**Class Voice (1 hour)**

MUSI 20051	Class Voice	1
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**Music Education (9 hours)**

MUSI 10511	Introduction to Music Education	1
MUSI 20311	Field Experience in Music	1
MUSI 30313	Elementary Music	3
MUSI 30812	Instrumental Organization and Administration	2
MUSI 30822	Instrumental Organization and Administration	2

**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30522	Instrumental Conducting	2

**Recital (1 hour)**

MUSP 30991	Recital I	1
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**Music Elective (1-2 hours)**

Wind and Percussion, 1 hour

Strings, 2 hours

**Acoustics (2 hours)**

MUSI 30352	Fundamentals of Digital Recording	2
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**Education Requirements****Communication Studies (3 hours)**

Required for admission to the College of Education:

Choose from

COMM 10123	Communicating Effectively	3
COMM 20103		3
COMM 20133		3

**ED Psych/Development (6 hours)**

EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3

**Education Certification (10 hours)**

EDEC 30001	Professional Practice Seminar	1
EDUC 30603	Study of Exceptional Students	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 41113	Schools, Curriculum, and Society	3

**Student Teaching (6 hours)**

EDUC 40966	All Level Student Teaching	6
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**University Requirements***Undergraduate degree (120 hours minimum)**Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Vocal Concentration**

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

**Music Requirements****Ensembles (4 hours total-.5 hour each semester)****8 semesters**

MUSI 10040	Concert Chorale	0.5
MUSI 10060	University Singers	0.5
MUSI 10130	Cantiamo	0.5
MUSI 10140	Frog Corps	0.5

**May be counted for a maximum of 2 semesters**

MUSI 10100	Opera Studio	0.5
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**Studio Performance Lessons (14 hours)**

Lower Division-8 hours

Upper Division-6 hours

**Music Theory (20 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3
MUSI 30202	Form and Analysis	2
MUSI 30312	Instrumentation	2

**Music History (11 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3

**Diction (2 hours)**

MUSI 10171	Diction for Singers	1
MUSI 10181	Diction for Singers	1

**Class Guitar (1 hour)**

MUSI 10021	Class Guitar	1
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**Functional Instrumental Technique (1 hour)**

MUSI 10081	Functional Instrumental Technique	1
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**Music Education (10 hours)**

MUSI 10511	Introduction to Music Education	1
MUSI 20311	Field Experience in Music	1
MUSI 20511	Analytical Listening for Vocal Conductors	1
MUSI 30313	Elementary Music	3
MUSI 30912	Choral Organization and Administration	2
MUSI 30922	Choral Organization and Administration	2

**Conducting (4 hours)**

MUSI 20512	Introduction to Conducting	2
MUSI 30512	Choral Conducting	2

**Recital (1 hour)**

MUSP 30991	Recital I	1
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**Music Elective (2 hours)****Acoustics (2 hours)**

MUSI 30042	Fundamentals of Voice Pedagogy for Music Educators	2
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**Education Requirements****Communication Studies (3 hours)**

Required for admission to the College of Education

Choose from

COMM 10123	Communicating Effectively	3
COMM 20103		3
COMM 20133		3

**ED Psych/Development (6 hours)**

EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3

**Education Certification (10 hours)**

EDEC 30001	Professional Practice Seminar	1
EDUC 30603	Study of Exceptional Students	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 41113	Schools, Curriculum, and Society	3

**Student Teaching (6 hours)**

EDUC 40966	All Level Student Teaching	6
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**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**School of Music, BA**

Some School of Music majors require more than 120 hours to complete. See individual music requirements for details.

The BA requires a minor (at least 18 hours).

**Foreign Language Requirement (3-12 hours)**

Completion of six hours at the sophomore-level or fourth semester demonstrated competency is required.

**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	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1

MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20211	Advanced Ear Training	1
MUSI 20213	Advanced Theory	3

**Music History (17 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI	50000 level	3
MUSI	50000 level	3

**Conducting (2 hours)**

MUSI 20512	Introduction to Conducting	2
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**Music Electives (3 hours)**

Must be advanced level coursework

**General Electives (to complete 120 hour minimum)****University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Music Courses Suggested for the First-year: BM, BME and BA****Fall****Music Theory (4 hours)**

MUSI 10201	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3

**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)**

MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3

**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 Core Curriculum (6-9 hours)****Music Minor (21 Hours)****Minor Requirements****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	1
MUSI 10203	Elementary Theory	3
MUSI 10211	Elementary Ear Training	1
MUSI 10213	Elementary Theory	3

**Music History (9 hours)**

MUSI 20613	History of Western Music I	3
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3

**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.

**Requirements****Each of the following courses earn .5 semester hours.**

MUSI 10010	Wind Symphony	0.5
MUSI 10020	Percussion Ensemble	0.5
MUSI 10040	Concert Chorale	0.5
MUSI 10060	University Singers	0.5
MUSI 10070	Vocal Jazz Ensemble	0.5
MUSI 10080	Chamber Music	0.5
MUSI 10090	Woodwind Ensemble	0.5
MUSI 10100	Opera Studio	0.5
MUSI 10110	Marching Band	0.5
MUSI 10120	Symphony Orchestra	0.5
MUSI 10130	Cantiamo	0.5
MUSI 10140	Frog Corps	0.5
MUSI 10150	New Music Ensemble	0.5
MUSI 10160	Brass Ensemble	0.5
MUSI 10170	Undergraduate Collaborative Piano	0.5
MUSI 10180	Collegium Musicum	0.5
MUSI 10190	Jazz Ensemble	0.5
MUSI 10210	Symphonic Band	0.5
MUSI 10220	Concert Band	0.5
MUSI 10350	TCU Cello Ensemble	0.5
MUSI 10360	TCU Harp Ensemble	0.5

**Music Course Subcategories****Music Theory**

MUSI 10003	Fundamentals of Music Literacy	3
MUSI 10201	Elementary Ear Training	1
MUSI 10211	Elementary Ear Training	1
MUSI 10203	Elementary Theory	3
MUSI 10213	Elementary Theory	3
MUSI 20201	Advanced Ear Training	1
MUSI 20211	Advanced Ear Training	1
MUSI 20203	Advanced Theory	3
MUSI 20213	Advanced Theory	3
MUSI 20412	Composition I	2
MUSI 20422	Composition II	2
MUSI 30202	Form and Analysis	2
MUSI 30222	Modal Counterpoint	2
MUSI 30232	Counterpoint	2
MUSI 30312	Instrumentation	2
MUSI 30322	Orchestration	2
MUSI 30332	Marching Band Arranging	2
MUSI 30342	Jazz Arranging	2
MUSI 30343	Fundamentals of Electro-Acoustic Music	3
MUSI 30420	Composition	1-6
MUSI 50203	Musical Structure and Style	3
MUSI 50523	Linear Analysis	3

**Music History**

MUSI 10053	Survey of Western Art Music	3
MUSI 10063	Survey of World Music	3
MUSI 10073	Survey of Rock	3
MUSI 10083	Survey of Film Music	3
MUSI 20613	History of Western Music I	3
MUSI 30602	World Music for Music Majors	2
MUSI 30613	History of Western Music II	3
MUSI 30623	History of Western Music III	3
MUSI 50303	History of Sacred Music	3
MUSI 50403	Symphonic Literature	3
MUSI 50413	Opera Literature	3
MUSI 50423	Choral Literature	3
MUSI 50433	Keyboard Literature I Pre-Baroque through Classical	3
MUSI 50443	Ethnomusicology	3
MUSI 50453	Music Criticism	3
MUSI 50463	Topics in Music Since 1900	3
MUSI 50473	Art Song Literature	3
MUSI 50483	Chamber Music Literature	3
MUSI 50493	Music in the United States	3
MUSI 50533	Keyboard Literature II Romantic through Contemporary	3

**Church Music**

MUSI 30512	Choral Conducting	2
MUSI 30522	Instrumental Conducting	2
MUSI 30713	Service Playing and Repertory	3
MUSI 30922	Choral Organization and Administration	2
MUSI 50423	Choral Literature	3

**Music Education**

MUSI 10511	Introduction to Music Education	1
MUSI 20311	Field Experience in Music	1
MUSI 20511	Analytical Listening for Vocal Conductors	1
MUSI 20512	Introduction to Conducting	2
MUSI 20611	Marching Band Techniques and Design	1
MUSI 30313	Elementary Music	3
MUSI 30512	Choral Conducting	2
MUSI 30522	Instrumental Conducting	2
MUSI 30812	Instrumental Organization and Administration	2
MUSI 30822	Instrumental Organization and Administration	2
MUSI 30912	Choral Organization and Administration	2
MUSI 30922	Choral Organization and Administration	2
MUSI 50212	Choral Conducting	2
MUSI 50222	Instrumental Conducting	2

**Honors Courses**

MUSI 40003	Senior Honors Research Project	3
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**Special Topics**

MUSI 30970	Directed Study in Music	1-6
MUSI 50970	Special Problems	.50-6

**Performance Studies Class Instruction**

MUSI 10021	Class Guitar	1
MUSI 11021	Introduction to Piano for the Non-Musician	1
MUSI 11030	Class Piano	0
MUSI 11031	Piano for the Non-Musician	1
MUSI 11040	Class Piano	0
MUSI 10051	String Instrument Technique I	1
MUSI 10061	String Technique II	1
MUSI 10071	Percussion Technique	1
MUSI 10081	Functional Instrumental Technique	1
MUSI 10091	Yoga for Musicians	1
MUSI 10171	Diction for Singers	1
MUSI 10181	Diction for Singers	1
MUSI 10191	Jazz Improvisation	1
MUSI 10601	Introduction to Performance for Singers	1
MUSI 21030	Class Piano	0
MUSI 21040	Class Piano	0
MUSI 20051	Class Voice	1
MUSI 20071	Functional Piano	1
MUSI 20081	Functional Piano	1

MUSI 30151	Woodwind Technique I	1
MUSI 30161	Brass Technique I	1
MUSI 30171	Woodwind Technique II	1
MUSI 30181	Brass Technique II	1

**Pedagogy**

MUSI 30052	Beginning Piano Pedagogy	2
MUSI 30062	Intermediate Piano Pedagogy	2
MUSI 40033	Instrumental Performance Pedagogy	3
MUSI 40052	Group Piano Pedagogy	2
MUSI 40062	Piano Teaching Internship	2
MUSI 40063	Voice Pedagogy	3
MUSI 50053	Introduction to Voice Pedagogy	3
MUSI 50063	Comparative Voice Pedagogy	3
MUSI 50081	Business Practices for the Independent Music Teacher	1

**Other Courses**

MUSI 11000	Recital/Concert Attendance	0
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**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	1-4
MUSP 21100	Secondary Voice	1-2

**Keyboard Studies**

MUSP 20210	Piano	1-4
MUSP 20220	Organ	1-4
MUSP 20230	Jazz Piano	1-4
MUSP 20240	Harpsichord	1-4

**Band/Orchestral Instrumental Studies**

MUSP 20310	Violin	1-4
MUSP 20320	Viola	1-4
MUSP 20330	Violoncello	1-4
MUSP 20340	Double Bass	1-4
MUSP 20350	Viola da Gamba	1-4
MUSP 20360	Jazz Bass	1-4
MUSP 20410	Flute	1-4
MUSP 20420	Oboe	1.00-4.00
MUSP 20430	Clarinet	1.00-4.00
MUSP 20440	Saxophone	1.00-4.00
MUSP 20450	Bassoon	1.00-4.00
MUSP 20460	Jazz Saxophone	1.00-2.00

MUSP 20510	French Horn	1.00-4.00
MUSP 20520	Trumpet	1.00-4.00
MUSP 20530	Trombone	1.00-4.00
MUSP 20550	Tuba	1.00-4.00
MUSP 20560	Euphonium	1.00-4.00
MUSP 20610	Percussion	1.00-4.00
MUSP 20620	Jazz Drumset	1.00-4.00
MUSP 20710	Harp	1.00-4.00
MUSP 20810	Guitar	1.00-4.00
MUSP 20910	Jazz Guitar	1.00-4.00

**Upper-Division Studio Lesson****Vocal Studies**

MUSP 40110	Voice	1.00-5.00
MUSP 40120	Vocal Coaching	1.00-2.00

**Keyboard Studies**

MUSP 40210	Piano	1.00-5.00
MUSP 40220	Organ	1.00-5.00
MUSP 40230	Jazz Piano	1.00-5.00
MUSP 40240	Harpsichord	1.00-5.00

**Band Orchestral Studies**

MUSP 40310	Violin	1.00-5.00
MUSP 40320	Viola	1.00-5.00
MUSP 40330	Violoncello	1.00-5.00
MUSP 40340	Double Bass	1.00-5.00
MUSP 40350	Viola da Gamba	1.00-5.00
MUSP 40360	Jazz Bass	1.00-5.00
MUSP 40410	Flute	1.00-5.00
MUSP 40420	Oboe	1.00-5.00
MUSP 40430	Clarinet	1.00-5.00
MUSP 40440	Saxophone	1.00-5.00
MUSP 40450	Bassoon	1.00-5.00
MUSP 40460	Jazz Saxophone	1.00-2.00
MUSP 40510	French Horn	1.00-5.00
MUSP 40520	Trumpet	1.00-5.00
MUSP 40530	Trombone	1.00-5.00
MUSP 40550	Tuba	1.00-5.00
MUSP 40560	Euphonium	1.00-5.00
MUSP 40610	Percussion	1.00-5.00
MUSP 40620	Jazz Drumset	1.00-4.00
MUSP 40710	Harp	1.00-5.00
MUSP 40810	Guitar	1.00-5.00
MUSP 40910	Jazz Guitar	1.00-5.00

**Recital Courses**

MUSP 30991	Recital I	1
MUSP 40971	Diploma Recital	1
MUSP 40981	Diploma Recital	1
MUSP 40991	Recital II	1

**Music Ensembles**

MUSI 10010	Wind Symphony	0.5
MUSI 10020	Percussion Ensemble	0.5
MUSI 10040	Concert Chorale	0.5
MUSI 10050	Steel Band I	0.5
MUSI 10060	University Singers	0.5
MUSI 10070	Vocal Jazz Ensemble	0.5
MUSI 10080	Chamber Music	0.5
MUSI 10090	Woodwind Ensemble	0.5
MUSI 10100	Opera Studio	0.5
MUSI 10110	Marching Band	0.5
MUSI 10120	Symphony Orchestra	0.5
MUSI 10130	Cantiamo	0.5
MUSI 10140	Frog Corps	0.5
MUSI 10150	New Music Ensemble	0.5
MUSI 10160	Brass Ensemble	0.5
MUSI 10170	Undergraduate Collaborative Piano	0.5
MUSI 10180	Collegium Musicum	0.5
MUSI 10190	Jazz Ensemble	0.5
MUSI 10210	Symphonic Band	0.5
MUSI 10220	Concert Band	0.5
MUSI 10240	Steel Band II	0.5
MUSI 10320	Percussion Ensemble II	0.5
MUSI 10350	TCU Cello Ensemble	0.5
MUSI 10360	TCU Harp Ensemble	0.5

**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 & technology, musical theatre, 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 and fulfill the Foreign Language requirement which is the completion of six hours at the sophomore-level or fourth semester demonstrated competency. An audition or portfolio review is required for entrance into any of the BFA degree programs. Contact the Theatre Department at TCU for audition information. Admission to the BA program is available to any TCU student.

**THEATRE TCU MISSION STATEMENT:** To develop in our students' artistic excellence, intellectual growth, and a spirit of empathy through professional theatre training within a liberal arts education.

**THEATRE TCU Core Values:**

- Artistic and academic excellence and achievement
- Individual and collaborative artistic expression
- Inclusion and diversity of people, ideas, perspectives, and cultures
- Active study of the past to help us form the future
- Value and power of the theatre for social growth
- Self-discipline and an optimal work ethic
- Mentorship and commitment to personal development

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, analysis, history, dramatic literature, design, and technical production.



The core provides a strong background for both the liberal arts and pre-professional student.

## Honors College

Theatre majors who plan to pursue Departmental Honors must be members of the John V. Roach Honors College and must complete THEA 31000 and THEA 41000 prior to graduation. Both courses cannot be taken during the same semester.

## Departmental Facilities

The Department of Theatre is housed in Ed Landreth Hall and the Walsh Center for the Performing Arts 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 with a counterweighted paint frame and spray booth for painting scenery and stage properties. A fully equipped Costume Studio for theatre is located at 2900 W. Berry Street. 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 to participate in departmental productions. Participation in performance and production broadens students' backgrounds and prepares them for the profession and 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 are responsible for securing and reading this handbook.

## Minimum Grade Requirement

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. Students with a GPA of less than 2.0 in the previous semester will not be cast in roles, given design or directing assignments, or placed in leadership positions.

## Theatre, BFA

The School of Fine Arts offers the BFA with a major in theatre with an emphasis on the following:

- Acting
- Design & Technology
- Musical Theatre
- Theatre Studies

The requirements for each program are outlined below.

## Acting Emphasis

The BFA with a major in theatre and emphasis in acting requires:

### Major Requirements: 83 hours

#### Theatre Courses (48 hours)

THEA 11023	Diverse Voices in Theatre	3
THEA 11103	Art of the Theatre	3
THEA 11303	Acting I: Introduction	3
THEA 21103	Script Analysis	3
THEA 21303	Acting II: Realism	3
THEA 21323	Stage Movement I	3
THEA 21333	Voice and Speech I	3
THEA 31103	Theatre History I	3
THEA 31113	Theatre History II	3
THEA 31303	Acting III: Auditioning	3
THEA 31353	Stage Movement II	3

THEA 31363	Voice & Speech II	3
THEA 41043	Professional Seminar	3
THEA 41303	Acting IV: Performance Styles	3
THEA 41333	Acting V: On Camera	3
THEA 41343	Acting VI: Voice Over	3

### Elective Design & Technical Courses - choose three (9 hours)

THEA 11203	Stagecraft	3
THEA 11223	Stage Makeup	3
THEA 11233	Practical Costuming	3
THEA 11243	Introduction to Theatre Design	3
THEA 21223	Stage Management & Sound Design	3
THEA 21413	Stage Lighting	3

### Production Courses (5 hours)

THEA 30901	Theatre Production	1
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5 semester hours are required; this course may be repeated for credit.

### Elective Performance Courses - choose four (12 hours)

THEA 31333	Acting Shakespeare	3
THEA 31523	Musical Theatre Workshop	3
THEA 41163	Devised Theatre	3
THEA 41313	Stage Combat	3
THEA 41323	Dialects	3
THEA 41353	Advanced Scene Study	3
THEA 41910	Special Topics in Theatre	1-3

Course may be repeated for credit; a minimum of 3 hours required.

### Elective Theatre Courses - choose two (6 hours)

THEA 31133	Playwriting	3
THEA 31343	Directing	3
THEA 40173	Topics in Dramatic Literature	3
THEA 41123	Modern Trends in Theatre	3
THEA 41133	Musical Theatre History	3

### Elective Theatre/Dance/Music Courses (3 hours)

Choose 3 additional elective hours from THEA, DANC, MUSI or MUSP courses from the College of Fine Arts are required.

### University Requirements

*Undergraduate degree (120 hours minimum)*

*Upper-level THEA coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Design & Technology Emphasis

The BFA with a major in theatre and an emphasis in design & technology requires:

### Major Requirements: 81 hours

#### Required Theatre Courses (39 hours)

THEA 11023	Diverse Voices in Theatre	3
THEA 11103	Art of the Theatre	3
THEA 11203	Stagecraft	3
THEA 11233	Practical Costuming	3
THEA 11243	Introduction to Theatre Design	3

THEA 11303	Acting I: Introduction	3	THEA 21323	Stage Movement I	3
THEA 21103	Script Analysis	3	THEA 21333	Voice and Speech I	3
THEA 21223	Stage Management & Sound Design	3	THEA 31103	Theatre History I	3
THEA 21413	Stage Lighting	3	THEA 31113	Theatre History II	3
THEA 21423	Drawing on the Past I	3	THEA 41043	Professional Seminar	3
THEA 21433	Drawing on the Past II	3	THEA 31503	Musical Theatre Theory I	3
THEA 31103	Theatre History I	3	THEA 31513	Musical Theatre Theory II	3
THEA 31113	Theatre History II	3	THEA 41133	Musical Theatre History	3

**Production Courses (6 hours):**

6 semester hours are required; this course may be repeated for credit.

THEA 30901	Theatre Production	1
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**Design & Technology Courses - choose 9 (27 hours)**

THEA 11223	Stage Makeup	3
THEA 21403	Rendering	3
THEA 31203	Computer Graphics for Theatre	3
THEA 31213	Scene Painting	3
THEA 31223	Costume Technology	3
THEA 31403	Scene Design	3
THEA 31413	Costume Design	3
THEA 31433	Props Design	3
THEA 31443	Lighting Design	3
THEA 40223	Entertainment Technologies	3
THEA 41493	Design & Technology Studio	3

May be repeated for credit up to (12 hours).

**Elective Theatre Courses - choose two (6 hours)**

THEA 31133	Playwriting	3
THEA 31343	Directing	3
THEA 40173	Topics in Dramatic Literature	3
THEA 41123	Modern Trends in Theatre	3
FNRT 40970	Special Problems	1.00-20.00

Elective Fine Arts Courses (3 hours)

Choose 3 additional elective hours from non-theatre courses from the College of Fine Arts are required.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Musical Theatre Emphasis

The BFA with a major in theatre and an emphasis in musical theatre requires:

**Major Requirements: 84 hours****Required Theatre Courses (39 hours)**

THEA 11023	Diverse Voices in Theatre	3
THEA 11103	Art of the Theatre	3
THEA 11303	Acting I: Introduction	3
THEA 21103	Script Analysis	3
THEA 21303	Acting II: Realism	3

**Elective Design & Technology Courses - choose two: (6 hours)**

THEA 11203	Stagecraft	3
THEA 11223	Stage Makeup	3
THEA 11233	Practical Costuming	3
THEA 11243	Introduction to Theatre Design	3
THEA 21223	Stage Management & Sound Design	3
THEA 21413	Stage Lighting	3

**Production Courses (5 hours)**

THEA 30901	Theatre Production	1
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5 semester hours are required; this course may be repeated for credit.

**Musical Theatre Performance Courses (14 hours)**

*Courses may be repeated for credit. Two semesters required of each course in this category.*

THEA 11502	Musical Theatre Performance Lab I	2
THEA 31512	Musical Theatre Performance Lab II	2
THEA 41503	Musical Theatre Performance	3

**Secondary Voice Courses (6 hours)**

MUSP 21100	Secondary Voice	1.00-2.00
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Course may be repeated for credit. Course may satisfy Elective category for hours beyond the 6 required for the category.

**Dance Courses (8 hours)**

*Course may be repeated for credit.*

THEA 31502	Musical Theatre Dance	2
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*Any combination of THEA 31502, and pre-approved courses from the School for Classical & Contemporary Dance may fulfill this requirement for 8 hours*

**Elective Theatre/Dance/Music Courses (6 hours)**

Choose 6 additional elective hours from THEA, DANC, MUSI, or MUSP courses from the College of Fine Arts are required.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

*TCU Core Curriculum* minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Theatre Studies Emphasis

The BFA with a major in theatre and emphasis in theatre studies requires the following:

**Major Requirements: 84 hours****Required Theatre Courses (36 hours)**

THEA 11023	Diverse Voices in Theatre	3
THEA 11103	Art of the Theatre	3
THEA 11303	Acting I: Introduction	3

THEA 21103	Script Analysis	3
THEA 21303	Acting II: Realism	3
THEA 21323	Stage Movement I	3
THEA 21333	Voice and Speech I	3
THEA 21423	Drawing on the Past I	3
THEA 21433	Drawing on the Past II	3
THEA 31103	Theatre History I	3
THEA 31113	Theatre History II	3
THEA 41043	Professional Seminar	3

**Production Courses (6 hours)**

6 semester hours are required; this course may be repeated for credit.

THEA 30901	Theatre Production	1
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**Elective Technical Theatre Courses - choose four (12 hours)**

THEA 11203	Stagecraft	3
THEA 11223	Stage Makeup	3
THEA 11233	Practical Costuming	3
THEA 11243	Introduction to Theatre Design	3
THEA 21223	Stage Management & Sound Design	3
THEA 21413	Stage Lighting	3

**Elective Theatre Performance and History Courses - choose four (12 hours)**

THEA 31133	Playwriting	3
THEA 31333	Acting Shakespeare	3
THEA 31343	Directing	3
THEA 31523	Musical Theatre Workshop	3
THEA 40173	Topics in Dramatic Literature	3
THEA 41123	Modern Trends in Theatre	3
THEA 41133	Musical Theatre History	3
THEA 41163	Devised Theatre	3

**Elective Design & Technology Courses - choose five (15 hours)**

THEA 21403	Rendering	3
THEA 31203	Computer Graphics for Theatre	3
THEA 31213	Scene Painting	3
THEA 31223	Costume Technology	3
THEA 31403	Scene Design	3
THEA 31413	Costume Design	3
THEA 31433	Props Design	3
THEA 31443	Lighting Design	3
THEA 41493	Design & Technology Studio	3

(This course may be repeated for credit up to 9 hours)

**Elective Theatre/Dance/Music Courses (3 hours)**

Choose 3 additional elective hours from THEA, DANC, MUSI, or MUSP courses from the College of Fine Arts are required.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

## Theatre, BA

The BA requires a minor (at least 18 hours).

### Foreign Language Requirement (3-12 hours)

Completion of 6 hours at the sophomore-level or fourth semester demonstrated competency is required. See Modern Language Studies for requirements and placement criteria.

### Major Requirements (45 hours)

**Production Courses (6 hours)**

THEA 30901	Theatre Production	1
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6 semester hours are required; this course may be repeated for credit.

**Required Theatre Courses (18 hours)**

THEA 11023	Diverse Voices in Theatre	3
THEA 11103	Art of the Theatre	3
THEA 11303	Acting I: Introduction	3
THEA 21103	Script Analysis	3
THEA 31103	Theatre History I	3
THEA 31113	Theatre History II	3

**Elective Theatre Courses - choose two (6 hours)**

THEA 31133	Playwriting	3
THEA 31213	Scene Painting	3
THEA 31223	Costume Technology	3
THEA 31343	Directing	3
THEA 31403	Scene Design	3
THEA 31413	Costume Design	3
THEA 31443	Lighting Design	3
THEA 40173	Topics in Dramatic Literature	3
THEA 41133	Musical Theatre History	3
THEA 41123	Modern Trends in Theatre	3

**Elective Design & Technology Courses choose four (12 hours)**

THEA 11203	Stagecraft	3
THEA 11223	Stage Makeup	3
THEA 11233	Practical Costuming	3
THEA 11243	Introduction to Theatre Design	3
THEA 21223	Stage Management & Sound Design	3
THEA 21413	Stage Lighting	3

**Elective Theatre/Dance/Music Courses (3 hours)**

Choose 3 additional elective hours from THEA, DANC, MUSI, or MUSP courses from the College of Fine Arts are required.

**University Requirements**

*Undergraduate degree (120 hours minimum)*

*Upper-level coursework taken at TCU (42 hours minimum)*

TCU Core Curriculum minimum requirements vary depending on the choice of courses. Some courses may count in more than one area. The maximum required is 63 hours.

**Theatre Performance Course**

Students cast in Theatre TCU productions may enroll in the following course for 0 or 1 hour:

THEA 30910 Theatre Performance (*Course may be repeated for credit.*)

## **Theatre Professional Internship Program**

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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.

# AddRan College of Liberal Arts

## Liberal Arts Program of Study

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 first-year or transfers, are required to see an adviser prior to registering. Names of advisers are available through each of the departments. All first-year and pre-majors are advised through the Center for Academic Services.

## AddRan College Organization

AddRan College is organized into 13 departments, two interdepartmental programs, two units of Reserve Officers' Training Corps and one academic service unit.

### Departments

- Comparative Race and Ethnic Studies
- Criminology & Criminal Justice
- Economics
- English
- Geography
- History
- Modern Language Studies (Chinese, French, German, and Italian)
- Philosophy
- Political Science
- Religion
- Sociology and Anthropology
- Spanish and Hispanic Studies
- Women and Gender 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 second floor of Scharbauer Hall, which also houses the departmental offices of criminology & criminal justice, economics, modern language studies, philosophy, political science, sociology and anthropology, and spanish and hispanic studies. English, history and geography are located in Dave Reed Hall, and religion is in Theodore Beasley Hall. Comparative race and ethnic studies and women and gender studies are housed in M. E. Sadler Hall.

## 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
- Comparative Race and Ethnic Studies
- Economics
- English
- Geography
- History
- International Economics
- Latin American Studies
- Modern Language Studies (Chinese, French, German, and Italian)
- Philosophy
- Political Science
- Religion
- Sociology
- Spanish and Hispanic Studies
- Women and Gender Studies
- Writing

The Bachelor of Science (BS) degree is offered with majors in:

- Digital Culture and Data Analytics
- Economics
- Geography
- Philosophy
- Political Science
- Sociology
- Women and Gender Studies

## Professions Program

The Bachelor of Science in Criminology & 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.

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 Minors

The following is a list of approved minors in AddRan College:

- African American Africana Studies
- Asian Studies
- Anthropology
- British and Colonial/Post-Colonial Studies
- Chinese
- Classical Studies
- Comparative Race and Ethnic Studies
- Creative Writing
- Criminal Justice
- Digital Culture and Data Analytics
- Economics
- English
- French
- Geography
- German
- Global History
- History
- Human-Animal Relationships
- International Economics
- International Relations
- Italian
- Latinx
- Middle East Studies
- Military Science
- Philosophy
- Political Science
- Religion
- Sociology
- Spanish and Hispanic Studies
- Spanish for Business Professions
- Spanish for the Health Professions
- Urban Studies
- Women and Gender 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.

## AddRan Bachelor of Arts Degree

Students pursuing a program leading to a BA degree must complete a minimum of 120 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 120-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 all colleges, even as a second major, must demonstrate competency in a foreign language equivalent to the completion of one of the following:

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3
FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

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, 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.

## 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, Tarleton State University, the

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 and intend to commission must attend both classroom and leadership laboratory classes at TCU. 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.

More detailed information about the Air Force ROTC Program is available through the Department of Aerospace Studies. The department is located in office 247 of the Rickel Academic Wing. Call 817.257.7461 or visit [www.afrotc.tcu.edu](http://www.afrotc.tcu.edu) with questions.

## Aerospace Studies General Qualifications

A student enrolling in AFROTC must:

- Be a full-time student (12 semester hours or more)
- Be a U.S. citizen
- Be in good physical condition/health
- Have good moral character
- Be no older than 39 years 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. 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 two weeks, freefall parachuting, combat survival training, flight nurse shadowing and cadet training assistant duty at field training.

## AFROTC Scholarships

Air Force ROTC offers scholarships that vary in length of award and amount based on academic major and applicant qualifications. All awarded scholarships pay a stipend for textbooks and fees, plus a monthly, nontaxable, stipend during the school year. Scholarship awards are based on specific academic majors related to the needs of the U.S. Air Force. These scholarship opportunities for in-college students are determined at the national level by Air Force ROTC and are subsequently administered by the detachment/Department of Aerospace Studies. Scholarship applicants are selected using the whole-person concept, which includes objective factors (i.e., GPA, standardized test scores (SAT/ACT), 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.

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 less than 31 years of age as of the end of their commissioning year. Because the scholarship program varies according to budget and needs of the Air Force, interested applicants should contact the Department of Aerospace Studies at 817.257.7461 or [www.afrotc.tcu.edu](http://www.afrotc.tcu.edu) for specifics.

High school students may apply for a four-year scholarship their high school senior year. High school students who are offered an AFROTC scholarship may be offered a TCU room and board subsidy. High school students who receive a three-year scholarship 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. In some instances, active service can be delayed by students continuing in post-baccalaureate degree programs.

## African American and Africana Studies African American and Africana Studies Minor

African American and Africana Studies (AAAS) is a critical and scholarly engagement of African American and African Diasporic Life. The interdisciplinary discourse focuses on critical race theory, ethics, politics, religion, medicine, gender, history, language and literature.

## Requirements

Students seeking the minor must complete 18 hours.

### To include 6 hours chosen from:

AAAS 10103	Engaging Difference and Diversity in America	3
AAAS 20103	Introduction to African American Studies	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3

Select the remaining 12 hours from courses that carry the AAAS attribute from at least three different departments.

### Additional Requirement:

- No more than 9 hours may be taken throughout the minor program in any one department
- At least 9 hours must be at the 30000 level or above
- Courses may not count for both major and minor requirements. For example, if a student seeks an African American and Africana Studies minor and a religion major, RELI 30343 (Black Religion in the U.S.) could count toward the requirements for the minor or the major, but not both.

### A list of approved courses for the minor and emphasis

AAAS 10103	Engaging Difference and Diversity in America	3
AAAS 20103	Introduction to African American Studies	3
ADRN 20101	Make Your Major Work	1
ADRN 20103	Africa through Film	3
CRES 32103	Black Life and Resistance	3
CRJU 30853	Multiculturalism in the Criminal Justice System	3
EDUC 50003	Diversity in American Education	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3
ENGL 30573	African American Literature	3
ENGL 30733	Satire	3
ENGL 40533	Toni Morrison	3
HIST 10703	African American Experience Since 1619	3
HIST 30803	U.S. Urban History	3

HIST 31903	Summer Study in Ghana	3
NURS 20403	Health Disparities in African Americans	3
POSC 31523	The Civil Rights Movement in America	3
POSC 31623	Urban Politics	3
POSC 35023	Comparative Social Movements	3
RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 30343	Black Religion in United States	3
RELI 30553	African Religions	3
RELI 30813	Black Religion and Black Literature	3
SOCI 30443	Social Movements and Protest	3
SOCI 40803	Social Inequality	3
SOWO 30513	Social Work and Civil Rights	3
SOWO 30583	Social Work and Diversity	3

African American and Africana Studies is a critical and scholarly engagement of African American and African Diasporic Life. The interdisciplinary discourse focuses on critical race theory, ethics, politics, religion, medicine, gender, history, language and literature.

Students seeking the emphasis must complete 15 hours.

**To include 6 hours chosen from:**

AAAS 10103	Engaging Difference and Diversity in America	3
AAAS 20103	Introduction to African American Studies	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3
HIST 30833	The Civil Rights Movement in America	3
CRES 10103	Engaging Difference and Diversity in America	3
CRES 20003	Gateway Seminar in Critical Race Theory	3
CRES 20103	Intro to Black Studies	3
CRES 30303	Feminisms of Color	3
CRES 30403	Transnational Gender & Sexuality	3
CRES 30503	Crimmigration	3
ENGL 20213	Global Women's Literature	3
ENGL 20533	The American Dream	3
SOWO 40883	Diversity and Social Justice	3

Select the remaining 9 hours from courses that carry the AAAS attribute from at least three different departments.

Emphasis students may count AAAS-approved courses towards the emphasis as well as another major or minor.

They also may concentrate their AAAS electives in a single department.

Emphasis students in a program requiring a minor must complete a minor in another disciplinary field.

## Anthropology

The anthropology major is administered by the Department of Sociology 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 healthcare.

## Anthropology, BA

**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	3
ANTH 20623	Introduction to Cultural Anthropology	3
ANTH 20633	Introduction to Archaeology	3
ANTH 20643	Language and Culture	3

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	3
ANTH 20623	Introduction to Cultural Anthropology	3
ANTH 20633	Introduction to Archaeology	3
ANTH 20643	Language and Culture	3

## 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

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. Up to six hours of a single foreign language (Japanese or Chinese) at any level may be applied to minor requirements. No more than nine hours may be taken in any one program, and at least nine hours must be taken at the 30000 level or above.

**Asian Studies Approved Courses**

ASST 20003	Introduction to Asian Studies	3
ASST 30013	Asian Cultures, Politics, and Societies through Media	3
ANTH 30723	Ethnology of Selected Areas	3
CHIN 10043	Chinese Calligraphy	3



CHIN 10153	Beginning Chinese I	3
CHIN 10163	Beginning Chinese II	3
CHIN 20053	Intermediate Chinese I	3
CHIN 20063	Intermediate Chinese II	3
CHIN 30063	Intermediate Chinese IV	3
CHIN 30073	Chinese Culture in Film	3
CHIN 30113	Chinese Civilization and Culture	3
CHIN 30123		
CHIN 30133	Communicating in the Chinese Workplace	3
CHIN 30970	Directed Study in Chinese	1-6
ECON 30443	Asian Economics	3
ENGL 30783	Modern India: Literature and Culture	3
HIST 10943	East Asian Civilization to 1700	3
HIST 10953	East Asian Civilization Since 1700	3
HIST 20943	Honors History Asian Civilization to 1500	3
HIST 20953	Honors History of Asian Civilization Since 1500	3
HIST 30443	History of Modern China: from Ming to Mao	3
HIST 40843	The Vietnam War	3
JAPN 10163	Second Semester College Japanese	3
JAPN 20053	Third Semester College Japanese	3
JAPN 20063	Fourth Semester College Japanese	3
PHIL 30333	Asian Philosophies	3
POSC 33203	Political Economy of Human Trafficking	3
POSC 33603	International Relations of East Asia	3
POSC 33613	The International Relations of Japan	3
POSC 33623	Chinese Foreign Policy	3
POSC 35603	Japanese Politics and Society Through Film	3
POSC 35613	The Politics of Japan	3
POSC 35623	Politics of China	3
POSC 35633	Contemporary Issues in China	3
POSC 35643	Entrepreneurship in China	3
RELI 20573	Defining the Nation: China and India in Crisis	3
RELI 30513	Hindu Religious Perspectives	3
RELI 30523	East Asian Religious Perspectives	3
RELI 30533	Buddhism: Thought and Practice	3
RELI 30573	Religion and Goddess Traditions of India	3
RELI 30753	The Many Faces of Krishna	3
RELI 30863	Religion and Violence	3

Course offerings may vary, and other courses may be allowed with approval of the minor director when those courses focus on Asia. For more information, contact the program director, Michael Strausz, 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 various summer and semester study abroad programs. 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 any relevant TCU Study Abroad Program can count toward the minor, but no more than six of those 12 hours can be Internship hours. The program director must approve the application of any transfer credit to the minor requirements.

### Specific Requirements

**1. Three hours in a foundations course selected from this list or any other relevant course submitted and approved by program director:**

ARHI 20073	British Art: Medieval-Modern	3
ARHI 30073	Modern British Art	3
ENGL 20403	British Writers	3
ENGL 30113	British Literature to 1800	3
ENGL 30123	British Literature since 1800	3
ENGL 30413	Studies in Medieval Literature and Culture	3
HIST 30503	History of England to 1603	3
HIST 30513	History of England and Great Britain since 1603	3
HIST 30523	Tudor-Stuart England, 1485-1714	3
HIST 30593	Making of Modern England	3

**2. 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	3
ENGL 30443	Twentieth Century Irish Literature	3
ENGL 30473	Wilde Years: Oscar Wilde and the 1890s	3

ENGL 30683	Post-Colonial Anglophone Literature	3	GRMN 20973	Honors: The Afterlife of the Classical Greek Tradition	3
ENGL 30693	U.S. Multi-Ethnic Literature	3	GRMN 20983	Honors: The Afterlife of the Classical Roman Tradition	3
ENGL 30773	India: Texts and Traditions	3	HIST 30003	The Greek World	3
HIST 30533	England, 1815-1901, Politics, Prudery, and the Pax Britannica	3	HIST 30013	The Roman Republic and Empire	3
HIST 30543	Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present	3	PHIL 40213	Ancient Greek Philosophy	3
HIST 30563	The British Empire, 1603-1857	3	PHYS 10293	Archaeoastronomy	3
HIST 30573	British Empire and Commonwealth, 1857-1975	3	RELI 30113	Jesus and the Gospels	3
HIST 40603	Colonial America: From the Age of Discovery to 1763	3	RELI 30123	Paul and the Early Church	3
JOUR 40543	International and Intercultural Communication	3	RELI 30163	Women and Early Christianity	3
RELI 30553	African Religions	3	THEA 31103	Theatre History I	3
FTDM 30643	British Cinema and European Culture	3			

Students who minor in classical studies are subject to the Pass/No-Credit Policy of their major department.

## Comparative Race and Ethnic Studies, BA

The Bachelor of Arts major in Comparative Race and Ethnic Studies requires 30 semester hours of CRES-prefix and CRES-attribute courses passed with a grade of "C-" or better and a maximum of 12 hours below the 30000 level. A minor in any field is required. Courses counted for the CRES major may not be counted for any other major or minor (except for the Associated Requirements, which may be double-counted for multiple programs of study).

### Requirements:

#### Required Core Courses (6 hours)

CRES 20003	Gateway Seminar in Critical Race Theory	3
CRES 40003	CRES Capstone Seminar	3

#### Recommended Core Courses

CRES 10103	Engaging Difference and Diversity in America	3
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#### Electives (24 hours)

The eight required courses must meet the following criteria:

1. Students must take at least five courses in CRES or in its associated disciplines, and at least 50% of their course content must be related to race/ethnicity.
2. Students must take at least one course that considers the larger context surrounding race and ethnicity, including intersections with class, gender, or sexuality and/or larger systems of power or contestation surrounding race and ethnicity. The approved courses must have at least 25% of their content related to race/ethnicity.
3. Students must take at least one course of the eight courses that focus on race and ethnicity outside the U.S.
4. Students must take at least six upper-division courses in CRES or in its associated disciplines.
5. No more than five of the eight courses may focus on a particular race or ethnic group.
6. No more than five of the eight courses may be in any single discipline.

Note: If students take CRES 10103, it can count as one of their eight elective classes.

A list of approved courses, along with the appropriate subcategory designations, can be found in the catalog and will be maintained by the program and the registrar.

#### Elective Category 1: Primary Courses

AAAS 10103	Engaging Difference and Diversity in America	3
AAAS 20103	Introduction to African American Studies	3

**3. 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.

**4. Three elective hours selected from the list of courses in 1. or 2. above or any relevant course in any participating department.**

## 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:

ARHI 20003	Classical Tradition in Art	3
ENGL 20633	Mythology	3
ENGL 55253	Classical Rhetoric	3
GREE 10053	First Semester College Greek (Hellenistic)	3
GREE 10063	Second Semester College Greek (Hellenistic)	3
GREE 20053	Third Semester College Greek (Hellenistic)	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
GREE 40970	Directed Studies in Greek	1-6

ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3	HIST 30823	The Chicano/a Movement, Latino/a Politics, and Immigration Rights	3
ANTH 30333	Mexican American Culture	3	HIST 30833	The Civil Rights Movement in America	3
ANTH 30433	Mexican-American Folklore: Traditions of La Raza	3	HIST 30923	The United States and Latin America	3
ARHI 20093	Art of Mexico from 1500 to the Present	3	HNRS 20403	Faith and Social Movements	3
CRES 10103	Engaging Difference and Diversity in America	3	HNRS 20613	Race and Sports	3
CRES 20103	Intro to Black Studies	3	HNRS 20623	The Genius of Hip Hop	3
CRES 30303	Feminisms of Color	3	HNRS 20813	Philosophy and Science of Social Justice	3
CRES 30403	Transnational Gender & Sexuality	3	JOUR 20003	Diversity and the Media	3
CRES 30503	Crimmigration	3	LTNX 20003	Introduction to LTNX Studies	3
CRES 30993	Special Topics in Comparative Race and Ethnic Studies	3	NURS 10403	Introduction to Health Disparities in African Americans	3
CRES 40903	Independent Study in CRES	1-20	NURS 20403	Health Disparities in African Americans	3
CRES 40993	Internship & Field Research Experience	3	POSC 31523	The Civil Rights Movement in America	3
CRJU 30853	Multiculturalism in the Criminal Justice System	3	POSC 31543	The Chicano/a Movement, Latino/a Politics, and Immigration Rights	3
EDUC 50503	Foundations of Language Acquisition	3	RELI 10043	Understanding Religion: Society and Culture	3
EDUC 50213	Seminar in Bilingual Education	3	RELI 20503	Africa and the African Diaspora: History, Religion, and Culture	3
ENGL 20213	Global Women's Literature	3	RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
ENGL 20533	The American Dream	3	RELI 30163	Women and Early Christianity	3
ENGL 20553	Introduction to American Studies	3	RELI 30343	Black Religion in United States	3
ENGL 20563	Introduction to Latina/o Literature	3	RELI 30463	Being Latina/o and Religious in the U.S.	3
ENGL 20573	Introduction to Native American Literatures	3	RELI 30493	Latina/o Religion, Law and Identity	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3	RELI 30843	Latina Feminist Religious Thought	3
ENGL 20993	Non-Western Literature: African Literature	3	SOCI 30343	Sociology of Race and Racism	3
ENGL 30573	African American Literature	3	SOCI 30443	Social Movements and Protest	3
ENGL 30683	Post-Colonial Anglophone Literature	3	SOCI 30863	Gender Politics: International Perspectives	3
ENGL 30693	U.S. Multi-Ethnic Literature	3	SOCI 40803	Social Inequality	3
ENGL 30703	Contemporary Latinx Literature	3	SOWO 30513	Social Work and Civil Rights	3
ENGL 30713	Mexican American Culture	3	SOWO 30583	Social Work and Diversity	3
ENGL 30853	Asian American Literature	3	SOWO 40863	Social Work with Groups and Families	3
ENGL 30863	Literature of the Middle East and North Africa	3	SPAN 31803	Service-Learning in the Latino Community	3
ENGL 30883	Transnational Arabs: the Middle East and North Africa in Diaspora	3	SPAN 42003	Hispanic Literature in USA	3
ENGL 40533	Toni Morrison	3	SPAN 41803	Afro-Hispanic Literature	3
FREN 40123	Seminar in French Studies	3	STCO 16103	Diversity	3
FREN 40143	Non-European French Prose and Poetry	3	WGST 30193	Queer Theories	3
HIST 10703	African American Experience Since 1619	3	WGST 30303	Feminisms of Color	3
HIST 10713	Multicultural America: A Historical Survey	3	WGST 30403	Transnational Gender & Sexuality	3
HIST 10723	History of Latinas/os in the United States	3	WRIT 30603	Rhetoric of Social Media	3
HIST 10833	History of Islamic Slavery	3	WRIT 30613	Writing Cross-cultural Differences	3
HIST 30613	History of Working People in America	3	<b>Electives Category 2: Contextual Clues</b>		
			ADRN 20103	Africa through Film	3
			ANTH 30663	Food Justice	3
			ASST 20003	Introduction to AsianStudies	3

CRES 30203	Social Justice Organizing & Activism	3
CRJU 20423	Critical Issues in Crime and Justice	3
EDLE 41113	Foundations of Education	3
EDUC 50003	Diversity in American Education	3
EDUC 55113	Schools, Curriculum, and Society	3
GEOG 30763	Economic Geography	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 30603	History of Women in America	3
HIST 30713	Revolutionary Iran:A History	3
HIST 30803	U.S. Urban History	3
HIST 30813	Oral History Field Research Seminar	3
HIST 40703	Indians of the United States	3
HNRS 20103	Africa Through Film	3
MANA 40343	Leading a Diverse Workforce	3
POSC 31533	American Identity Politics	3
POSC 31623	Urban Politics	3
POSC 35023	Comparative Social Movements	3
SOCI 40523	Health, Illness and Medicine	3
STCO 47433	Global Communication	3
WGST 20003	Introduction to Women and Gender Studies	3
WGST 30203	Social Justice Organizing & Activism	3
WRIT 30893	Digital Inclusiveness: Cultural Identity & Authoring	3

**Elective Category 3: Global Courses**

ADRN 20103	Africa through Film	3
ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3
ARHI 20093	Art of Mexico from 1500 to the Present	3
ASST 20003	Introduction to AsianStudies	3
CRES 30403	Transnational Gender & Sexuality	3
DANC 10453	Dance in World Cultures	3
ENGL 20213	Global Women's Literature	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3
ENGL 30683	Post-Colonial Anglophone Literature	3
ENGL 30793	Multi-Ethnic Literature of the World	3
ENGL 30863	Literature of the Middle East and North Africa	3
ENGL 30883	Transnational Arabs: the Middle East and North Africa in Diaspora	3
FREN 40143	Non-European French Prose and Poetry	3
GEOG 30763	Economic Geography	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 10833	History of Islamic Slavery	3
HIST 30713	Revolutionary Iran:A History	3
HIST 30923	The United States and Latin America	3
HIST 31903	Summer Study in Ghana	3
HIST 41913	Afro-Latin America	3
HNRS 20103	Africa Through Film	3
HNRS 20403	Faith and Social Movements	3

RELI 20503	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 30553	African Religions	3
SOCI 30863	Gender Politics: International Perspectives	3
SPAN 41803	Afro-Hispanic Literature	3
STCO 47433	Global Communication	3
WGST 30403	Transnational Gender & Sexuality	3

**Associated Requirement: Research Methods (3 hours)**

ADRN 20101	Make Your Major Work	1
ANTH 30383	Writing Human Stories: Research, Ethnography, and Narrative	3
CRES 30003	Research Inequality	3
ECON 40313	Econometrics	3
GEOG 30323	Data Analysis and Visualization	3
POSC 20093	Scope and Methods of Political Science	3
SOCI 30383	Research Methods in Sociology	3
SOCI 40383	Topics in Applied Social Research	3
SOWO 40813	Research Methods in Social Work	3

**Associated Requirement: Career Preparation (1 hour)**

A grade of C- or better is required in each of the associated requirements below. Courses listed here may be double-counted towards multiple programs of study.

ADRN 20101	Make Your Major Work	1
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**Associated Requirement: Foreign Language**

All students pursuing the Bachelor of Arts degree must demonstrate competency in a foreign language as specified in the "Graduation Requirements" section of this catalog.

A list of approved courses, along with the appropriate subcategory designations, can be found in the catalog and on the department website.

**Comparative Race and Ethnic Studies Minor**

The minor in Comparative Race and Ethnic Studies requires 18 semester long hours of CRES-prefix and CRES attribute courses passed with a grade of "C-" or better and a maximum of 9 hours below the 30000 level. Courses counted for the CRES minor may not be counted for any other major or minor.

**Recommended Core Course**

CRES 10103	Engaging Difference and Diversity in America	3
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*Recommended to students prior to taking 20003 but not required.*

**Required Core Courses (3 hours)**

CRES 20003	Gateway Seminar in Critical Race Theory	3
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**Electives (15 hours)**

The five required courses must meet the following criteria:

1. Students must take at least three upper-division courses in CRES or in its associated disciplines from any of the program's course subcategories.
2. No more than three of the five courses may focus on a particular race or ethnic group.
3. No more than three of the five courses may be in any single discipline.

Note: If students take CRES 10103, it can count as one of their five elective classes.

Students may also take CRES 30003 Interdisciplinary Inquiry and/or CRES 40003 Capstone Seminar to fulfill the elective requirement.

A list of approved courses, along with the appropriate subcategory designations, can be found in the catalog and will be maintained by the program and the registrar.

## Comparative Race and Ethnic Studies Emphasis

The emphasis in Comparative Race and Ethnic Studies requires 15 semester hours of CRES-prefix and CRES-approved courses passed with a grade of "C-" or better and a maximum of 9 hours below the 30000 level. Courses counted for the CRES emphasis may be counted for other majors or minors.

### Requirements

#### Electives (12 hours)

The five required courses must meet the following criteria:

1. Students must take at least three upper-division courses in CRES or in its associated disciplines from any of the program's course subcategories.
2. No more than three of the five courses may focus on a particular race or ethnic group.
3. No more than three of the five courses may be in any single discipline.

Note: If students take CRES 10103, it can count as one of their five elective classes.

Students may also take CRES 30003 Researching Inequality and/or CRES 40003 Capstone Seminar to fulfill the elective requirement.

A list of approved courses, along with the appropriate subcategory designations, can be found in the catalog and will be maintained by the program and the registrar.

#### Recommended Core Course

CRES 10103 Engaging Difference and Diversity in America 3

*Recommended to students prior to taking 20003 but not required.*

#### Core Courses (3 hours)

CRES 20003 Gateway Seminar in Critical Race Theory 3

## Creative Writing Minor

The minor in creative writing requires 18 semester hours in Writing, English or Creative Writing (exclusive of ENGL 10803 and ENGL 20803). Of these, 12 hours must be in upper-division courses.

Students who major in English or Writing may count no more than 6 hours of creative writing toward their major. These distribution requirements apply:

1. CRWT 10203 or CRWT 20103
2. 9 hours of upper-division creative writing courses with one at the 40000 level or higher
3. 6 hours of ENGL or WRIT electives

## Criminology & Criminal Justice

Criminology & criminal justice is available as a major on the BS degree and as a minor on both the BA and BS degrees. Criminology & criminal justice serves the academic needs and career objectives of a variety of students. The major in criminology & 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 criminology and 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 criminology & criminal justice courses taken at accredited

colleges and universities. A maximum of six hours may be counted toward the minor. The chair of the Criminology & Criminal Justice Department determines the applicability of such coursework to the program's degree requirements.

### Honors College

Criminology & criminal justice majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in CRJU 30003 during their junior year and CRJU 40003 during the fall semester of their senior year.

### Alpha Phi Sigma

The Criminology & Criminal Justice Department sponsors a chapter of Alpha Phi Sigma, the national honor society in the discipline. Any criminology & criminal justice major or minor with a 3.2 overall GPA and a 3.2 in criminal justice-related courses who has completed four criminal justice-related courses is eligible.

## Criminology & Criminal Justice, BS

The BS with a major in criminology & criminal justice requires a total of 120 semester hours. The degree does not require a foreign language. The major requires 43 hours in criminology & criminal justice courses:

### The 43 semester hours in criminal justice (CRJU) must include:

#### I. Required Criminal Justice Courses (22 hours)

CRJU 10121	Career Planning, Ethics, and Professional Development in Criminology & Criminal Justice	1
CRJU 20413	Introduction to Criminal Justice	3
CRJU 20423	Critical Issues in Crime and Justice	3
CRJU 20873	Research Design in Criminology & Criminal Justice	3
CRJU 20883	Data Analyses in Criminology & Criminal Justice	3
CRJU 30333	Criminological Theory	3
CRJU 30423	Courts and Judicial Process	3
CRJU 40963	Internship in Criminology & Criminal Justice	3

#### II. Distribution Requirements (12 semester hours)

One Law Enforcement Course		
CRJU 30613	Police in a Free Society	3
	OR	
CRJU 30633	Federal Law Enforcement	3
	OR	
CRJU 30653	Controversial Issues in Policing	3

#### One Law Course

CRJU 30433	Criminal Law	3
	OR	
CRJU 30553	Constitutional Law for Criminal Justice	3
	OR	
CRJU 30863	Law, Justice, and Social Control	3

#### One Corrections Course

CRJU 30383	Institutional Corrections	3
	OR	
CRJU 30643	Community Corrections	3

**One Diversity Course**

CRJU 30853	Multiculturalism in the Criminal Justice System	3
	OR	
CRJU 40473	Youthful Offenders	3
	OR	
CRJU 40503	White Collar Crime	3

WRIT 20323	Introduction to Multimedia Authoring	3
MATH 10043	Elementary Statistics	3
	OR	
MATH 30853	Statistics	3
	OR	
INSC 20153	Statistical Analysis	3

**III. Elective Criminology & Criminal Justice Courses (9 hours)**

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.

GEOG 30323	Data Analysis and Visualization	3
	OR	
WRIT 20833	Introduction to Coding in the Humanities	3
	OR	
COSC 10603	Introduction to Python for Data Analytics	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
	OR	
WRIT 40263	Multimedia Authoring: Animation and Film	3
	OR	
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
	OR	
WRIT 40463	Multimedia Authoring: Comics Production	3
	OR	
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
DCDA 40003	Senior Honors Seminar	3
	OR	
DCDA 40833	Capstone Course	3

**Criminology & Criminal Justice Minor****The minor in criminology & criminal justice requires 18 hours****Required courses for the minor are:**

CRJU 20413	Introduction to Criminal Justice	3
CRJU 30333	Criminological Theory	3
	Plus an additional 12 hours of criminology & criminal justice	

**Digital Culture and Data Analytics**

Digital Culture and Data Analytics (DCDA) is an interdisciplinary set of programs designed for students with an interest in how digital technologies shape, analyze and articulate contemporary culture.

The Bachelor of Science major in Digital Culture and Data Analytics requires 33 semester hours of course work passed with a grade of "C-". A minor in any field is required (unless student has a second major).

Students minoring in digital culture and data analytics complete 21 hours of coursework: four required courses and a choice of three additional courses from an approved list. Students take no more than two courses from any single discipline. For the minor, a minimum of 9 hours at the upper division is required. Students who major or minor in Digital Culture and Data Analytics must choose whether DCDA-approved courses approved for other major or minor programs will count toward their DCDA program or for the other program. With the exception of the courses that satisfy the Statistics requirement, no course may count for both.

Once the requirements are satisfied, other courses from that same core category will count as electives.

Given that the DCDA program is supported by 15 other departments at TCU, the program director will work with and accept the determinations of the department whose discipline a transfer credit falls under. Further, the program director will work with students directly in terms of approving study abroad courses for the DCDA program. Students will not be allowed to place out of major requirements, nor will there be opportunities to receive course credit for examination.

**Digital Culture and Data Analytics Major BS Requirements****Requirements****Required Courses**

ENGL 20813	Introduction to the Digital Humanities	3
	OR	
WRIT 20303	Writing Games	3
	OR	

**Elective Courses**

Digital Culture	Elective	3
Digital Analytics	Elective	3

The remaining 12 elective hours may be from either the DC or DA category and may include courses from both categories (x4 courses)

**Track 1: Digital Culture**

Coursework from English, writing, fine arts and communication.

**Digital culture outcomes**

1. Students will demonstrate knowledge of the social and historical context of digital culture.
2. Students will demonstrate an ability to compose digital arguments.
3. Students will encounter significant works of scholarship and methods for doing research in digital studies.

**Track 2: Data Analytics**

Coursework from criminal justice, economics, geography, political science and math.

**Data analytics outcomes**

1. Coding: Students will develop intermediate proficiency or greater with at least one coding language used for spatial/statistical analysis (STATA, R, Python).
2. Data management and manipulation: Students will learn how to find data, create datasets, manipulate and clean data, and create new variables from pre-existing data sources.
3. Analysis and statistics: Students will choose and apply proper statistical methods for analysis and interpret the results.

- Regression and spatial analysis: Students will use GIS and statistical software to explore patterns, relationships and processes.
- Presentation of data: Students will present the results of their analysis in a variety of formats including, plots and graphs, digital mapping and cartography, and online.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

## Digital Culture and Data Analytics Minor

### Requirements

#### Required Courses

MATH 10043	Elementary Statistics	3
	OR	
INSC 20153	Statistical Analysis	3
GEOG 30323	Data Analysis and Visualization	3
	OR	
WRIT 20833	Introduction to Coding in the Humanities	3
	OR	
COSC 10603	Introduction to Python for Data Analytics	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
	OR	
WRIT 40263	Multimedia Authoring: Animation and Film	3
	OR	
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
	OR	
WRIT 40463	Multimedia Authoring: Comics Production	3
	OR	
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
DCDA 40833	Capstone Course	3

The remaining 9 hours may be selected from either category and may include courses from both categories.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

## Category 1: Digital Culture

Coursework from English, writing, fine arts, and communication.

#### Digital culture outcomes

- Students will critically assess the social and/or historical contexts of digital cultures by interrogating the norms and conventions of those cultures and the values they represent.
- Students will demonstrate an ability to compose digital arguments.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

## Category 2: Digital Analytics

Coursework from criminal justice, economics, geography, and math.

#### Data analytics outcomes

- Coding: Students will develop intermediate proficiency or greater with at least one coding language used for spatial/statistical analysis (STATA, R, Python).
- Students will be able to present the results of their analysis in a variety of formats including plots and graphs, digital mapping and cartography, online data presentation formats.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

## Digital Culture and Data Analytics Courses

### Course Subcategories

#### Digital Culture

ANTH 40523	Mass Media and Culture	3
SOCI 30583	Technology, Social Media and Society	3
DSGN 10103	Introduction to Creative Practice	3
DSGN 10153	Introduction to Computer Graphics	3
ARST 10123	Design and Color	3
ARST 20503	Video Art: Beginning New Media	3
ARST 20743	Photography	3
ARST 30510	3D Modeling and 3D Printing: Advanced New Media	3
ARST 30610	Interactive Robotics and Kinetic Sculpture: Advanced New Media	3
CRWT 30363	Digital Creative Writing	3
ENGL 20813	Introduction to the Digital Humanities	3
ENGL 30803	Theories of Cinema	3
HIST 30673	History of Museums and Collecting	3
HIST 30803	U.S. Urban History	3
HIST 30813	Oral History Field Research Seminar	3
RELI 30483	Digital Religion: God, the Soul and Morality after the Digital Revolution	3
WRIT 20303	Writing Games	3
WRIT 20323	Introduction to Multimedia Authoring	3
WRIT 20333	Language, Technology, and Society	3
WRIT 30223	Advanced Technical Writing	3
WRIT 30283	Cyberliteracy	3
WRIT 30603	Rhetoric of Social Media	3
WRIT 30893	Digital Inclusiveness: Cultural Identity & Authoring	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
WRIT 40233	Writing for Publication	3
WRIT 40243	Advanced Professional Writing	3

WRIT 40263	Multimedia Authoring: Animation and Film	3
WRIT 40283	Editing and Publishing	3
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
WRIT 40463	Multimedia Authoring: Comics Production	3
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
STCO 30653	Web Apps	3
STCO 36403	Digital Storytelling	3

### Data Analytics

COSC 10603	Introduction to Python for Data Analytics	3
CRJU 20883	Data Analyses in Criminology & Criminal Justice	3
CRJU 30703	Crime Mapping	3
ENSC 30363	Introduction to Geospatial Technology	3
ECON 40313	Econometrics	3
ENGL 30873	Digital Approaches to Textual Problems	3
GEOG 30313	Introduction to Geographic Information Systems	3
GEOG 30323	Data Analysis and Visualization	3
GEOG 40313	Advanced Geographic Information Systems	3
GEOG 40323	Urban and Business Applications of Geographic Information Systems	3
GEOL 20113	Introduction Earth System Science	3
GEOL 30363	Introduction to Geospatial Technology	3
INSC 20153	Statistical Analysis	3
MATH 10043	Elementary Statistics	3
WRIT 20833	Introduction to Coding in the Humanities	3

## Economics

Economics is available as a major or a minor on both the BA and BS degrees. It is also available on the BS 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 the 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 College

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

### Minimum Grade Requirements

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 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. 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.

### 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, BA

### Requirements

The BA with a major in economics requires 30 semester hours in economics, 24 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)

ECON	Any 10000-level economics course	
ECON 30223	Intermediate Microeconomics	3
	OR	
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3
ECON 30243	Contending Perspectives in Economics	3

#### Electives in Economics (18 hours)

#### Associated Requirements

All students must complete six to seven hours of coursework in Calculus and Statistics from the following:

MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4
INSC 20153	Statistical Analysis	3
	OR	
MATH 10043	Elementary Statistics	3
	OR	
MATH 30853	Statistics	3

Note that MATH 10283 will not serve as the prerequisite for any upper-level math courses

A minor is required. Any minor approved by AddRan College is acceptable. A minor in mathematics is recommended for those planning to enter graduate school in economics. With the approval of the chair of the Department of Economics and the associate dean of undergraduate studies of the Neeley School of Business, economics majors may minor in finance or accounting. For the finance minor, ECON 40153 may substitute for FINA 30203, but cannot be used to satisfy both the major and minor requirements.

## Economics, BS

### Requirements

The BS with a major in economics requires 30 semester hours in economics, 24 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)**

ECON	Any 10000-level economics course	
ECON 30223	Intermediate Microeconomics	3
	OR	
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3
ECON 30243	Contending Perspectives in Economics	3
ECON 40313	Econometrics	3
	OR	
ECON 40323	Time Series Econometrics	3

**Electives in Economics (15 hours)**

**Associated Requirements**

All students must complete six to seven hours of coursework in Calculus and Statistics from the following:

MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4
INSC 20153	Statistical Analysis	3
	OR	
MATH 10043	Elementary Statistics	3
	OR	
MATH 30853	Statistics	3

(Note that MATH 10283 will not serve as the prerequisite for any upper-level math courses)

In addition, students must choose one of four options:

**Mathematics (7-8 hours)**

MATH 20524	Calculus II	4
MATH	Upper level 30000 and above math	

**Accounting (6 hours)**

ACCT	6 hours of Accounting
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**Business (6 hours)**

ACCT	3 hours of Accounting
FINA	3 hours of Finance

**Geographic Information Systems (6 hours)**

GEOG 30313	Introduction to Geographic Information Systems	3
GEOG 40313	Advanced Geographic Information Systems	3
GEOG 40323	Urban and Business Applications of Geographic Information Systems	3
GEOL 30363	Introduction to Geospatial Technology	3
GEOL 50523	Introduction to Geographic Information Systems	3

Minor: A minor is required. Any minor approved by AddRan College is acceptable. A minor in mathematics is recommended for those planning to enter graduate school in economics. With the approval of the chair of the Department of Economics and the associate dean of undergraduate studies of the Neeley School of Business, economics majors may minor in finance or accounting. For the finance minor, ECON 40153 may substitute for FINA 30203, but cannot be used to satisfy both the major and minor requirements.

**International Economics, BS Requirements**

The BS with a major in international economics requires 30 semester hours in economics, 24 of which must be at the 30000 level or above, plus a minimum of 18 semester hours in associated requirements and fourth-semester proficiency in a foreign language. A "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)**

ECON	Any 10000-level economics course	
ECON 30223	Intermediate Microeconomics	3
ECON 30233	Intermediate Macroeconomics	3
ECON 30243	Contending Perspectives in Economics	3
ECON 40313	Econometrics	3

**International Economics (12 hours)**

**Core (6 hours)**

ECON 40213	International Trade and Payments	3
ECON 40223	International Monetary Economics	3

**Electives (6 hours)**

ECON 30213	Development Theory	3
ECON 30433	Development Studies	3
ECON 30443	Asian Economics	3
ECON 30453	Economics of the European Union	3
ECON 30463	Latin American Economics	3
ECON 30493	International Economic Studies	3
ECON 40513	Perspectives in International Economics	3

**Additional Electives in Economics (3 hours)**

**Associated Requirements (18-19 hours)**

**Quantitative Skills (6 to 7 hours):**

Note that MATH 10283 will not serve as the prerequisite for any upper-level math courses

MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4
INSC 20153	Statistical Analysis	3
	OR	
MATH 10043	Elementary Statistics	3
	OR	
MATH 30853	Statistics	3

**World Regional Geography (3 hours)**

GEOG 10003	World Regional Geography	3
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**International and Comparative Politics**

**3 hours from**

POSC 20303	International Politics	3
POSC 33XX3	Any course in International Politics	
POSC 35XX3	Any course in Comparative Politics	

### International/Intercultural Studies (6 hours)

Approved courses with international or intercultural emphasis or upper-division foreign language courses (see Economics Department website for list of approved classes; other courses may be substituted with permission of the Economics Department chair.

A minor is required. Any minor approved by AddRan College is acceptable. A minor in mathematics is recommended for those planning to enter graduate school in economics. With the approval of the chair of the Department of Economics and the associate dean of undergraduate studies of the Neeley School of Business, economics majors may minor in finance or accounting. For the finance minor, ECON 40153 may substitute for FINA 30203, but cannot be used to satisfy both the major and minor requirements.

## Economics Minor

### The minor in economics requires 18 semester hours

**A minimum of 12 advanced hours (30000 level or above) is required**

**To include 3 hours chosen from:**

ECON 30223	Intermediate Microeconomics	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3

### International Economics Minor

### The minor in international economics requires 18 semester hours

**A minimum of 12 advanced hours (30000-level or above) is required**

**And at least nine hours chosen from any class that would count as international economics under the breadth requirements of the Bachelor of Arts in Economics**

**To include at least three hours chosen from**

ECON 30223	Intermediate Microeconomics	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3

Not available to economics majors.

## English

English is available as a major on the BA degree and as a minor on both the BA and BS degrees. The Department of English also offers a writing major and minor (find it here under "Writing (p. **Error! Bookmark not defined.**)" or see the department website, [www.addran.tcu.edu/english](http://www.addran.tcu.edu/english)), a creative writing minor, optional concentrations and an Accelerated MA in English.

### Honors College

English majors who plan to pursue Departmental Honors must be members of the Honors College and enroll in ENGL 30003 the fall semester of their senior year, and ENGL 40003 in the spring semester of their senior year.

## English, BA

### Requirements

Each student forms a program of study in consultation with a faculty adviser in English.

### General Requirements:

To earn a BA with a major in English, students must complete 33 hours in English, creative writing or writing (exclusive of ENGL10803 and ENGL 20803). Of these, at least 24 hours must be in upper-division ENGL, CRWT or WRIT courses (30000 level and above). No more than 9 hours of lower-division credit may be applied to the major.

*Specific Requirements.* To earn a major, students must complete at least 6 of the 33 hours in Early Literature and Culture courses (p. **Error! Bookmark not defined.**)(see subcategory for courses or consult the department). Most of these courses can be used to satisfy one of the distribution requirements listed below in categories 1-3 and 5.

In addition, all English majors are required to complete at least 3 of the 33 hours in a junior-level Research Seminar after they have attained junior standing and completed at least one 30000-level ENGL class. This seminar is taken as part of the required upper-division coursework and can be used to satisfy one of the distribution requirements listed below in categories 1-3 and 5.

Although they are not required, ENGL 30970 and ENGL 50970, courses in special topics that change semester to semester, usually satisfy one or more of the requirements for majors. Consult the Department of English or check the department website, [www.addran.tcu.edu/english](http://www.addran.tcu.edu/english)

Other than the Research Seminar and courses for the Early Literature and Culture category, courses may not count more than once among categories 1, 2, 3, 4 and 5.

These additional distribution requirements apply:

- 6 upper-division hours from the American Literature subcategory (p. **Error! Bookmark not defined.**)
- 6 upper-division hours from the British Literature subcategory (p. **Error! Bookmark not defined.**)
- 3 upper-division hours from the Global and Diasporic Literature subcategory (p. **Error! Bookmark not defined.**)
- 3 upper-division hours from the Writing subcategory
- 3 upper-division hours from the Theory subcategory (p. **Error! Bookmark not defined.**)
- 12 elective hours of any courses offered by the Department of English, at least 3 of which must be upper division

## English Minor

To earn a minor in English, students must complete 18 semester hours in English (exclusive of ENGL 10803 and ENGL 20803). Of these, 12 hours must be in upper-division courses. These distribution requirements apply:

- 3 hours from the American Literature subcategory (p. **Error! Bookmark not defined.**)
- 3 hours from the British Literature subcategory (p. **Error! Bookmark not defined.**)
- 3 hours from the Writing subcategory (p. **Error! Bookmark not defined.**)
- 9 elective hours of any CRWT, ENGL or WRIT courses

## Optional Concentrations

Students may group the coursework for their major into a concentration by taking 9 hours from one of the following lists. Courses taken for the concentration will also count toward requirements for the major. A student may choose at most two concentrations. Independent studies and thesis coursework may not be applied toward the concentration. Students may also, with permission of their adviser and the English department director of undergraduate studies, design their own concentration by taking 9 hours of ENGL, CRWT or WRIT courses in a single topic or field of study.

### American Studies

Select from courses in the American Literature subcategory (p. **Error! Bookmark not defined.**)

### British Studies

Select from courses in the British Literature subcategory (p. **Error! Bookmark not defined.**)

**Creative Writing**

Select from courses in the Creative Writing subcategory (p. **Error! Bookmark not defined.**)

**Critical Theory**

Select from courses in the Critical Theory subcategory (p. **Error! Bookmark not defined.**)

**Digital Media**

Select from courses in the Digital Media subcategory (p. **Error! Bookmark not defined.**)

**Early Literature & Culture**

Select from courses in the Early Literature and Culture subcategory (p. **Error! Bookmark not defined.**)

**Fiction Studies**

Select from courses in the Fiction Studies subcategory (p. **Error! Bookmark not defined.**)

**Film and Visual Culture**

Select from courses in the Film and Visual Culture subcategory (p. **Error! Bookmark not defined.**)

**Global and Diasporic Literature**

Select from courses in the Global and Diasporic Literature subcategory (p. **Error! Bookmark not defined.**)

**Legal Studies**

Select from courses in the Legal Studies subcategory (p. **Error! Bookmark not defined.**)

**Nonfiction Prose**

Select from courses in the Nonfiction Prose subcategory (p. **Error! Bookmark not defined.**)

**Poetry and Poetics**

Select from courses in the Poetry and Poetics subcategory (p. **Error! Bookmark not defined.**)

**Publication & Communications**

Select from courses in the Publication & Communications subcategory (p. **Error! Bookmark not defined.**)

**Race and Ethnic Studies**

Select from courses in the Race and Ethnic Studies subcategory (p. **Error! Bookmark not defined.**)

**Rhetoric & Culture**

Select from courses in the Rhetoric and Culture subcategory (p. **Error! Bookmark not defined.**)

**Women’s Writing and Gender Studies**

Select from courses in the Women’s Writing and Gender Studies subcategory (p. **Error! Bookmark not defined.**)

**Writing**

Select from courses in the Writing subcategory (p. **Error! Bookmark not defined.**)

**Accelerated MA in English**

The Accelerated MA in English option allows outstanding TCU undergraduates with a declared English or writing major to earn both a bachelor’s and a master’s degree in English in five years. Students may apply for admission to the Accelerated MA in English program after earning 60 hours of undergraduate credit. Students intending to pursue this option should tell the English department as early as possible to ensure proper advising.

For admission consideration, students must submit a graduate program application packet. The application process is selective; only students with an outstanding record and strong recommendations will be considered. If admitted, students will complete a 30-hour graduate degree plan. Students will complete up to 12 hours of graduate coursework (four graduate courses) during the last year of undergraduate study. Those 12 hours may also fulfill requirements for the BA in English or writing. Candidates must work with the graduate advisor to determine how the courses will apply to the MA degree.

At the end of a student’s fourth year, assuming all other graduation requirements are met, the student earns the baccalaureate degree (in English or writing). During the fifth year, students must take an additional 18 hours to complete the Accelerated MA in English degree including 6 thesis hours.

**English Course Subcategories**

**American Literature**

ENGL 20503	American Writers	3
ENGL 20523	Sports and American Literature	3
ENGL 20533	The American Dream	3
ENGL 20543	The American Short Story	3
ENGL 20553	Introduction to American Studies	3
ENGL 20563	Introduction to Latina/o Literature	3
ENGL 20573	Introduction to Native American Literatures	3
ENGL 20683	Young Adult Literature in American Culture	3
ENGL 30133	American Literature to 1865	3
ENGL 30143	American Literature since 1865	3
ENGL 30163	Urban Experiences and American Literature	3
ENGL 30183	Prison Literature	3
ENGL 30503	The Roaring Twenties	3
ENGL 30513	American Poetry	3
ENGL 30523	Popular Literature	3
ENGL 30543	Black Women's Writing	3
ENGL 30553	19th Century American Novel	3
ENGL 30563	American Drama	3
ENGL 30573	African American Literature	3
ENGL 30583	Early American Literature	3
ENGL 30593	American Fiction, 1960 to the Present	3
ENGL 30693	U.S. Multi-Ethnic Literature	3
ENGL 30703	Contemporary Latinx Literature	3
ENGL 30713	Mexican American Culture	3
ENGL 30853	Asian American Literature	3
ENGL 38023	Research Seminar in American Literature	3
ENGL 40513	U.S. Women's Writing I	3
ENGL 40533	Toni Morrison	3
ENGL 40543	Studies in Early American Literature	3
ENGL 40553	Studies in Nineteenth-Century American Literature	3
ENGL 40563	U.S. Women's Writing II	3
ENGL 40583	Contemporary American Poetry	3
ENGL 40663	Transnational American Literature	3
ENGL 40683	Studies in 20th Century American Literature	3
ENGL 55193	Authorship in American Literary Culture	3
ENGL 55213	Seminar in American Literature since 1900	3
ENGL 55533	Literature of Latinx Diaspora	3
ENGL 55583	Seminar in Contemporary African-American Literature	3
ENGL 55783	American Non-Fiction Prose	3
ENGL 55763	Race and Gender in American Literature	3

**British Literature**

ENGL 20403	British Writers	3
ENGL 20433	Introduction to Shakespeare	3
ENGL 30113	British Literature to 1800	3

ENGL 30123	British Literature since 1800	3	WRIT 20343	The Rhetoric of Science	3
ENGL 30413	Studies in Medieval Literature and Culture	3	WRIT 30203	Urban Rhetorics	3
ENGL 30423	Early British Drama	3	WRIT 30243	Rhetorical Practices in Culture	3
ENGL 30433	Renaissance Poetry	3	WRIT 30253	Rhetorical Traditions	3
ENGL 30443	Twentieth Century Irish Literature	3	WRIT 30283	Cyberliteracy	3
ENGL 30453	The Victorian Novel	3	WRIT 30293	Non-Human Rhetoric and Representation	3
ENGL 30463	British Literature: The Bloomsbury Group	3	WRIT 30623	Rhetorics of American Identities	3
ENGL 30473	Wilde Years: Oscar Wilde and the 1890s	3	WRIT 30663	Women's Rhetorics	3
ENGL 30633	Medieval and Early Modern Women Writers	3	WRIT 40253	Propaganda Analysis and Persuasion	3
ENGL 30653	Jane Austen: Novels and Films	3	WRIT 40333	Language, Rhetoric and Culture	3
ENGL 30673	King Arthur in Literature and Legend	3	WRIT 55253	Rhetorical Traditions	3
ENGL 30683	Post-Colonial Anglophone Literature	3			
ENGL 30773	India: Texts and Traditions	3	<b>Digital Media</b>		
ENGL 30783	Modern India: Literature and Culture	3	CRWT 30363	Digital Creative Writing	3
ENGL 30793	Multi-Ethnic Literature of the World	3	ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3
ENGL 38013	Research Seminar in British Literature	3	WRIT 20303	Writing Games	3
ENGL 40403	Chaucer	3	WRIT 20323	Introduction to Multimedia Authoring	3
ENGL 40413	Renaissance in England	3	WRIT 20333	Language, Technology, and Society	3
ENGL 40423	Restoration and 18th Century Literature, 1660-1790	3	WRIT 30213	Advanced Composition: Writing Genres	3
ENGL 40433	19th Century British Literature	3	WRIT 30283	Cyberliteracy	3
ENGL 40443	British Literature Since 1900	3	WRIT 30390	Publication Production	1.5
ENGL 40453	British Novel to 1832	3	WRIT 30603	Rhetoric of Social Media	3
ENGL 40463	British Novel since 1832	3	WRIT 30893	Digital Inclusiveness: Cultural Identity & Authoring	3
ENGL 40473	Milton and his Contemporaries	3	WRIT 40163	Multimedia Authoring: Image and Hypertext	3
ENGL 40483	Shakespeare and Marlowe	3	WRIT 40253	Propaganda Analysis and Persuasion	3
ENGL 40493	Shakespeare	3	WRIT 40263	Multimedia Authoring: Animation and Film	3
ENGL 40633	Love, Sex, and Power in Renaissance England	3	WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
ENGL 40643	British Romanticism	3	WRIT 40463	Multimedia Authoring: Comics Production	3
ENGL 40653	Renaissance Literature and the 'New' Science	3	WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
ENGL 40693	British and Irish Poetry Since 1900	3			
ENGL 55153	Prose and Poetry of the English Renaissance	3	<b>Early Literature and Culture</b>		
ENGL 55233	Seminar in British Literature of the Victorian Period	3	ENGL 20423	Introduction to Medieval Literature	3
ENGL 55483	Victorian Women Writers	3	ENGL 20433	Introduction to Shakespeare	3
ENGL 55543	Renaissance Drama Exclusive of Shakespeare	3	ENGL 20603	Western World Literature I	3
ENGL 55853	Seminar in Shakespeare	3	ENGL 20633	Mythology	3
			ENGL 20913	Literature and Civilizations I	3
<b>Critical Theory</b>			ENGL 30113	British Literature to 1800	3
ENGL 20223	Gender, Culture and Representation	3	WRIT 30253	Rhetorical Traditions	3
ENGL 20233	Sex and Gender in Literature	3	ENGL 30413	Studies in Medieval Literature and Culture	3
ENGL 30103	Introduction to Literary Theory	3	ENGL 30423	Early British Drama	3
ENGL 30173	Marxist Cultural Theory	3	ENGL 30433	Renaissance Poetry	3
ENGL 30193	Queer Theories	3	ENGL 30583	Early American Literature	3
ENGL 30803	Theories of Cinema	3	ENGL 30623	Medieval Literature in Translation	3
ENGL 30833	Serials, Franchises, and Fan Culture	3	ENGL 30633	Medieval and Early Modern Women Writers	3
ENGL 40123	Literary Criticism	3	ENGL 30673	King Arthur in Literature and Legend	3
ENGL 40323	History of the Language	3	ENGL 40323	History of the Language	3
ENGL 50253	Classical Rhetoric	3	ENGL 40403	Chaucer	3
WRIT 20333	Language, Technology, and Society	3	ENGL 40413	Renaissance in England	3

ENGL 40423	Restoration and 18th Century Literature, 1660-1790	3	ENGL 20743	Crime Fiction	3
ENGL 40453	British Novel to 1832	3	ENGL 20813	Introduction to the Digital Humanities	3
ENGL 40473	Milton and his Contemporaries	3	ENGL 20913	Literature and Civilizations I	3
ENGL 40483	Shakespeare and Marlowe	3	ENGL 20923	Literature and Civilizations II	3
ENGL 40493	Shakespeare	3	ENGL 30003	Honors Thesis Seminar I	3
ENGL 40513	U.S. Women's Writing I	3	ENGL 30013	Distinction Program: Thesis I	3
ENGL 40543	Studies in Early American Literature	3	WRIT 30390	Publication Production	1.5
ENGL 40633	Love, Sex, and Power in Renaissance England	3	WRIT 30603	Rhetoric of Social Media	3
ENGL 40653	Renaissance Literature and the 'New' Science	3	ENGL 30613	Women's Lives: Memoir and Fiction	3
ENGL 55153	Prose and Poetry of the English Renaissance	3	ENGL 30723	Short Story	3
ENGL 55543	Renaissance Drama Exclusive of Shakespeare	3	ENGL 30733	Satire	3
ENGL 55853	Seminar in Shakespeare	3	ENGL 30753	Literature and Film	3
WRIT 55363	History of Rhetoric	3	WRIT 30893	Digital Inclusiveness: Cultural Identity & Authoring	3
<b>Electives</b>			ENGL 30970	Directed Studies in English	1-6
ENGL 10103	Introduction to Fiction	3	ENGL 30823	Law and Literature	3
ENGL 10113	Introduction to Poetry	3	ENGL 40003	Honors Thesis Seminar II	3
ENGL 10123	Introduction to Drama	3	ENGL 40013	Distinction Program: Thesis II	3
ENGL 10133	Introduction to Literature	3	WRIT 40283	Editing and Publishing	3
ENGL 10303	Approaches to Film	3	ENGL 40613	King Arthur in Modern Literature and Culture	3
ENGL 10503	Introduction to Nonfiction Genres	3	ENGL 40673	Modern Drama	3
CRWT 20103	Reading as a Writer	3	ENGL 40733	Children's Literature	3
CRWT 20123	Travel Writing	3	ENGL 40743	The Long Novel	3
CRWT 20133	Performing Identity	3	ENGL 55183	Literature Pedagogy	3
ENGL 20203	Girls' Studies	3	ENGL 55223	Rhetoric and Literature	3
ENGL 20213	Global Women's Literature	3	ENGL 20933	Non-Western World Literature	3
ENGL 20223	Gender, Culture and Representation	3	WRIT 55313	Research Practices in Composition and Rhetoric	3
ENGL 20233	Sex and Gender in Literature	3	ENGL 55523	Archival Scholarship	3
WRIT 20303	Writing Games	3	<b>Fictional Studies</b>		
WRIT 20313	Power and Protest	3	ENGL 10103	Introduction to Fiction	3
WRIT 20323	Introduction to Multimedia Authoring	3	ENGL 20543	The American Short Story	3
WRIT 20333	Language, Technology, and Society	3	ENGL 20583	The Western	3
ENGL 20423	Introduction to Medieval Literature	3	ENGL 20633	Mythology	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3	ENGL 20643	Fable and Fantasy	3
ENGL 20603	Western World Literature I	3	ENGL 20733	Science Fiction	3
ENGL 20613	Western World Literature II	3	ENGL 20743	Crime Fiction	3
ENGL 20623	Introduction to Women's Writing	3	CRWT 30343	Fiction Writing Workshop I	3
ENGL 20633	Mythology	3	ENGL 30453	The Victorian Novel	3
ENGL 20643	Fable and Fantasy	3	ENGL 30463	British Literature: The Bloomsbury Group	3
ENGL 20653	The Romantic Imagination	3	ENGL 30613	Women's Lives: Memoir and Fiction	3
ENGL 20663	Why Read Literature?	3	ENGL 30723	Short Story	3
ENGL 20683	Young Adult Literature in American Culture	3	ENGL 30733	Satire	3
ENGL 20703	Intro to Law and Literature	3	ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3
ENGL 20713	Literature and Medicine	3	CRWT 40203	Fiction Writing Workshop II	3
ENGL 20723	Introduction to Disability Studies	3	ENGL 40633	Love, Sex, and Power in Renaissance England	3
ENGL 20733	Science Fiction	3			

ENGL 40743	The Long Novel	3	ENGL 55533	Literature of Latinx Diaspora	3
ENGL 50233	Studies in Creative Writing	3			
<b>Film and Visual Culture</b>			<b>Legal Studies</b>		
ENGL 10303	Approaches to Film	3	ENGL 20703	Intro to Law and Literature	3
ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3	ENGL 30103	Introduction to Literary Theory	3
ENGL 30753	Literature and Film	3	ENGL 30173	Marxist Cultural Theory	3
ENGL 30653	Jane Austen: Novels and Films	3	ENGL 30183	Prison Literature	3
ENGL 30803	Theories of Cinema	3	ENGL 30573	African American Literature	3
ENGL 30833	Serials, Franchises, and Fan Culture	3	ENGL 30653	Jane Austen: Novels and Films	3
CRWT 30373	Drama Writing Workshop I	3	ENGL 30693	U.S. Multi-Ethnic Literature	3
CRWT 40223	Drama Writing Workshop II	3	ENGL 30763	Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature	3
<b>Global and Diasporic Literature</b>			ENGL 30823	Law and Literature	3
ENGL 20213	Global Women's Literature	3	ENGL 40123	Literary Criticism	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3	WRIT 20313	Power and Protest	3
ENGL 20603	Western World Literature I	3	WRIT 30253	Rhetorical Traditions	3
ENGL 20613	Western World Literature II	3	WRIT 30273	Argument and Persuasion	3
ENGL 20683	Young Adult Literature in American Culture	3	WRIT 40253	Propaganda Analysis and Persuasion	3
ENGL 20913	Literature and Civilizations I	3	WRIT 40333	Language, Rhetoric and Culture	3
ENGL 20923	Literature and Civilizations II	3	<b>Nonfiction Prose</b>		
ENGL 20933	Non-Western World Literature	3	ENGL 10503	Introduction to Nonfiction Genres	3
ENGL 30493	Women Poets and Poetic Tradition	3	CRWT 30233	Creative Nonfiction Workshop I	3
ENGL 30543	Black Women's Writing	3	ENGL 30613	Women's Lives: Memoir and Fiction	3
ENGL 30573	African American Literature	3	CRWT 40133	Creative Nonfiction Workshop II	3
ENGL 30623	Medieval Literature in Translation	3	ENGL 40543	Studies in Early American Literature	3
ENGL 30683	Post-Colonial Anglophone Literature	3	<b>Poetry and Poetics</b>		
ENGL 30693	U.S. Multi-Ethnic Literature	3	ENGL 10113	Introduction to Poetry	3
ENGL 30703	Contemporary Latinx Literature	3	ENGL 20653	The Romantic Imagination	3
ENGL 30713	Mexican American Culture	3	ENGL 30433	Renaissance Poetry	3
ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3	ENGL 30493	Women Poets and Poetic Tradition	3
ENGL 30763	Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature	3	ENGL 30513	American Poetry	3
ENGL 30773	India: Texts and Traditions	3	ENGL 40123	Literary Criticism	3
ENGL 30783	Modern India: Literature and Culture	3	ENGL 40403	Chaucer	3
ENGL 30793	Multi-Ethnic Literature of the World	3	ENGL 40473	Milton and his Contemporaries	3
ENGL 30843	Australian Literature	3	ENGL 40483	Shakespeare and Marlowe	3
ENGL 30853	Asian American Literature	3	ENGL 40493	Shakespeare	3
ENGL 38033	Research Seminar in Global Literature	3	ENGL 40583	Contemporary American Poetry	3
ENGL 30863	Literature of the Middle East and North Africa	3	ENGL 40643	British Romanticism	3
ENGL 30883	Transnational Arabs: the Middle East and North Africa in Diaspora	3	ENGL 40693	British and Irish Poetry Since 1900	3
ENGL 40533	Toni Morrison	3	CRWT 30353	Poetry Writing Workshop I	3
ENGL 40663	Transnational American Literature	3	CRWT 40213	Poetry Writing Workshop II	3
ENGL 40693	British and Irish Poetry Since 1900	3	<b>Publication &amp; Communications</b>		
ENGL 40743	The Long Novel	3	CRWT 10203	Introduction to Creative Writing	3
ENGL 55203	Postcolonial Literature	3	CRWT 20123	Travel Writing	3
ENGL 55253	Classical Rhetoric	3	ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3
			ENGL 30833	Serials, Franchises, and Fan Culture	3
			WRIT 20323	Introduction to Multimedia Authoring	3
			WRIT 20333	Language, Technology, and Society	3

WRIT 30213	Advanced Composition: Writing Genres	3	ENGL 30173	Marxist Cultural Theory	3
WRIT 30223	Advanced Technical Writing	3	ENGL 30193	Queer Theories	3
WRIT 30263	Style	3	WRIT 30203	Urban Rhetorics	3
WRIT 30283	Cyberliteracy	3	WRIT 30243	Rhetorical Practices in Culture	3
WRIT 30390	Publication Production	1.5	WRIT 30253	Rhetorical Traditions	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3	WRIT 30273	Argument and Persuasion	3
CRWT 40223	Drama Writing Workshop II	3	WRIT 30283	Cyberliteracy	3
WRIT 40233	Writing for Publication	3	WRIT 30293	Non-Human Rhetoric and Representation	3
WRIT 40243	Advanced Professional Writing	3	WRIT 30623	Rhetorics of American Identities	3
WRIT 40253	Propaganda Analysis and Persuasion	3	WRIT 30663	Women's Rhetorics	3
WRIT 40263	Multimedia Authoring: Animation and Film	3	WRIT 30803	Theories of Cinema	3
WRIT 40273	Writing Internship	3	ENGL 30833	Serials, Franchises, and Fan Culture	3
WRIT 40283	Editing and Publishing	3	ENGL 30873	Digital Approaches to Textual Problems	3
WRIT 40333	Language, Rhetoric and Culture	3	ENGL 40123	Literary Criticism	3
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3	WRIT 40253	Propaganda Analysis and Persuasion	3
WRIT 40463	Multimedia Authoring: Comics Production	3	ENGL 40323	History of the Language	3
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3	WRIT 40333	Language, Rhetoric and Culture	3

**Race and Ethnic Studies**

ENGL 20533	The American Dream	3	WRIT 55173	Intersections of Literacies, Pedagogies, and Black Feminisms	3
ENGL 20563	Introduction to Latina/o Literature	3	WRIT 55243	Seminar in Rhetoric	3
ENGL 20573	Introduction to Native American Literatures	3	ENGL 55253	Classical Rhetoric	3
ENGL 20593	Introduction to Literatures of the Global African Diaspora	3	WRIT 55303	Modern Rhetoric	3
ENGL 20933	Non-Western World Literature	3	WRIT 55363	History of Rhetoric	3
ENGL 30543	Black Women's Writing	3	WRIT 55473	Non-Human Rhetoric and Representation	3
ENGL 30573	African American Literature	3	WRIT 55483	Anti-Racist Pedagogies in Writing Studies and Rhetorical Education	3
ENGL 30613	Women's Lives: Memoir and Fiction	3	ENGL 55513	Introduction to Modern Critical Theory	3
ENGL 30683	Post-Colonial Anglophone Literature	3	ENGL 55613	Women's Rhetorics	3
ENGL 30693	U.S. Multi-Ethnic Literature	3	WRIT 55763	Language and Theory	3
ENGL 30703	Contemporary Latinx Literature	3	WRIT 55783	Seminar in Literacy	3
ENGL 30713	Mexican American Culture	3			
ENGL 30773	India: Texts and Traditions	3	<b>Seminars and Directed Studies</b>		
ENGL 30783	Modern India: Literature and Culture	3	ENGL 30003	Honors Thesis Seminar I	3
ENGL 30793	Multi-Ethnic Literature of the World	3	ENGL 30013	Distinction Program: Thesis I	3
ENGL 30833	Serials, Franchises, and Fan Culture	3	ENGL 30970	Directed Studies in English	1-6
ENGL 30843	Australian Literature	3	ENGL 30990	International Residential Study	1-20
ENGL 30863	Literature of the Middle East and North Africa	3	ENGL 40003	Honors Thesis Seminar II	3
ENGL 30883	Transnational Arabs: the Middle East and North Africa in Diaspora	3	ENGL 40013	Distinction Program: Thesis II	3
ENGL 38033	Research Seminar in Global Literature	3	ENGL 50970	Directed Studies in English	1-6
ENGL 40533	Toni Morrison	3	ENGL 55973	Directed Study in English	3
WRIT 30203	Urban Rhetorics	3			

**Seminars and Directed Studies**

**Women's Writing and Gender Studies**

**Research Seminars**

ENGL 38013	Research Seminar in British Literature	3
ENGL 38023	Research Seminar in American Literature	3
ENGL 38033	Research Seminar in Global Literature	3

**Theory**

ENGL 30103	Introduction to Literary Theory	3
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ENGL 20203	Girls' Studies	3
ENGL 20213	Global Women's Literature	3
ENGL 20223	Gender, Culture and Representation	3
ENGL 20233	Sex and Gender in Literature	3
ENGL 20623	Introduction to Women's Writing	3
ENGL 20683	Young Adult Literature in American Culture	3
ENGL 30193	Queer Theories	3
ENGL 30453	The Victorian Novel	3

ENGL 30463	British Literature: The Bloomsbury Group	3
ENGL 30473	Wilde Years: Oscar Wilde and the 1890s	3
ENGL 30493	Women Poets and Poetic Tradition	3
ENGL 30543	Black Women's Writing	3
ENGL 30613	Women's Lives: Memoir and Fiction	3
ENGL 30633	Medieval and Early Modern Women Writers	3
ENGL 30653	Jane Austen: Novels and Films	3
ENGL 30763	Lesbian, Gay, Bisexual and Transgender Authors and Themes in Literature	3
ENGL 40513	U.S. Women's Writing I	3
ENGL 40563	U.S. Women's Writing II	3
ENGL 40633	Love, Sex, and Power in Renaissance England	3
ENGL 40533	Toni Morrison	3
WRIT 30663	Women's Rhetorics	3
WRIT 55613	Women's Rhetorics	3

### Writing

CRWT 10203	Introduction to Creative Writing	3
CRWT 20103	Reading as a Writer	3
CRWT 20123	Travel Writing	3
CRWT 20133	Performing Identity	3
WRIT 20303	Writing Games	3
WRIT 20323	Introduction to Multimedia Authoring	3
WRIT 30213	Advanced Composition: Writing Genres	3
WRIT 30223	Advanced Technical Writing	3
CRWT 30233	Creative Nonfiction Workshop I	3
WRIT 30263	Style	3
WRIT 30273	Argument and Persuasion	3
CRWT 30343	Fiction Writing Workshop I	3
CRWT 30353	Poetry Writing Workshop I	3
CRWT 30363	Digital Creative Writing	3
CRWT 30373	Drama Writing Workshop I	3
WRIT 30613	Writing Cross-cultural Differences	3
CRWT 40133	Creative Nonfiction Workshop II	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
CRWT 40203	Fiction Writing Workshop II	3
CRWT 40213	Poetry Writing Workshop II	3
CRWT 10203	Introduction to Creative Writing	3
WRIT 40233	Writing for Publication	3
WRIT 40243	Advanced Professional Writing	3
WRIT 40263	Multimedia Authoring: Animation and Film	3
WRIT 40273	Writing Internship	3
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
WRIT 40463	Multimedia Authoring: Comics Production	3
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
CRWT 40703	Advanced Multi-Genre Workshop	3
CRWT 40803	Advanced Literary Forms	3
ENGL 50233	Studies in Creative Writing	3
WRIT 55973	Directed Study in Writing	3

## 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. For further information, please contact Dr. Muriel Cormican, Associate Dean of Undergraduate Studies, and Director of the BGS, AddRan College of Liberal Arts.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

## General Studies, BGS

### Requirements

In addition to satisfying the TCU Core Curriculum requirements, students must take:

- A total of 120 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 and BS degrees and as a minor on both the BA and BS degrees.

## Geography, BA

### Requirements

The BA with a major in Geography requires 30 semester hours from among the following. No grade lower than 'C-' can be applied to the major. A minor is required, as well as 4th semester proficiency in a foreign language.

#### The following 12 hours of required courses:

GEOG 10003	World Regional Geography	3
	OR	
GEOG 10023	An Urban World: Introduction to Urban Studies	3
GEOG 10013	Physical Geography	3
GEOG 20013	Human Geography	3
GEOG 30313	Introduction to Geographic Information Systems	3
	OR	
GEOG 30323	Data Analysis and Visualization	3

#### A minimum of 6 hours of courses with the regional designation (GEOG 305xx), including but not limited to:

GEOG 30503	Topics in Regional Geography	3
GEOG 30513	Geography of the United States	3
GEOG 30523	Geography of Latin America	3
GEOG 30533	Geography of Western Europe	3



**A minimum of 6 hours of courses with the systematic designation (GEOG 307xx) or (GEOG 308xx), including but not limited to:**

GEOG 30703	Topics in Systematic Geography	3
GEOG 30713	Urban Geography	3
GEOG 30723	Cultural Geography	3
GEOG 30733	Geography of Religion	3
GEOG 30743	Applied Geography	3
GEOG 30753	Population Geography	3
GEOG 30763	Economic Geography	3
GEOG 30773	Geography of Beer and Wine	3
GEOG 30793	Sports, Geography, & Society	3
GEOG 30803	Topics in Environmental Geography	3
GEOG 30813	Environment and Society	3

**Electives (6 hours)**

Six hours selected from any Geography courses listed in the BA degree plan OR courses pre-approved by departmental advisor.

**Geography, BS**

The BS with a major in geography requires 45 semester hours plus associated requirements of three hours. No grade lower than 'C-' can be applied to the major. A minor is not required.

**Requirements**

**Foundations (15 hours)**

GEOG 10003	World Regional Geography	3
	OR	
GEOG 10023	An Urban World: Introduction to Urban Studies	3
GEOG 10013	Physical Geography	3
GEOG 20013	Human Geography	3
GEOG 30313	Introduction to Geographic Information Systems	3
GEOG 30323	Data Analysis and Visualization	3

**Regional Geography (3 hours)**

GEOG 30503	Topics in Regional Geography	3
GEOG 30513	Geography of the United States	3
GEOG 30523	Geography of Latin America	3
GEOG 30533	Geography of Western Europe	3

**Systematic Geography (12 hours)**

GEOG 30703	Topics in Systematic Geography	3
GEOG 30713	Urban Geography	3
GEOG 30723	Cultural Geography	3
GEOG 30733	Geography of Religion	3
GEOG 30743	Applied Geography	3
GEOG 30753	Population Geography	3
GEOG 30763	Economic Geography	3
GEOG 30773	Geography of Beer and Wine	3
GEOG 30793	Sports, Geography, & Society	3
GEOG 40003	Senior Honors in Geography	3

**Geospatial Technologies/GIScience (6 hours)**

GEOG 40303	Topics in Geospatial Technology	3
GEOG 40313	Advanced Geographic Information Systems	3
GEOG 40323	Urban and Business Applications of Geographic Information Systems	3

**Environmental Geography (3 hours)**

GEOG 30803	Topics in Environmental Geography	3
GEOG 30813	Environment and Society	3

**Electives**

Six hours selected from any Geography courses listed in the BS degree plan OR courses pre-approved by departmental advisor.

**Associated Requirements - Three hours**

**Pick one of the following:**

MATH 10043	Elementary Statistics	3
INSC 20153	Statistical Analysis	3

**Geography Minor**

**The minor in geography requires 18 semester hours**

**Required Courses**

GEOG 10003	World Regional Geography	3
	OR	
GEOG 10023	An Urban World: Introduction to Urban Studies	3
GEOG 10013	Physical Geography	3
GEOG 20013	Human Geography	3

9 additional semester hours of upper division geography courses OR courses pre-approved by the departmental advisor.

**History**

History is available as a major on the BA degree and as a minor on both the BA and BS degrees.

**Honors College**

History majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in HIST 30153 during their junior year and HIST 40103 during the fall semester of their senior year.

**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, BA**

**The BA with a major in history requires 31 semester hours in history courses, which include the following:**

**A minimum of nine hours of survey courses, drawn from at least three of the following six categories:**

**U.S.:**

HIST 10603	United States History: A Survey to 1877	3
	OR	
HIST 20603	The American Mind (HON)	3

HIST 10613	United States History: A Survey since 1877 OR	3
HIST 20613	The American Mind since 1877 (Honors)	3
HIST 10703	African American Experience Since 1619	3
HIST 10713	Multicultural America: A Historical Survey	3
HIST 10723	History of Latinas/os in the United States	3

**Europe:**

HIST 10203	Origins of Western Civilization: Europe to 1348	3
HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present OR	3
HIST 20203	Origins of Western Civilization: Europe to 1348 (Honors)	3
HIST 20213	The World Expanded: Europe 1348-1789 (Honors)	3
HIST 20223	Honors Modernization and its Discontents: Europe 1789 to the Present	3

**Latin America:**

HIST 10923	Latin American History: Colonial Period	3
HIST 10933	Latin American History: National Period OR	3
HIST 20923	Honors History of Latin American Civilization to 1830	3
HIST 20933	Honors History of Latin American Civilization since 1830	3

**Asia:**

HIST 10943	East Asian Civilization to 1700	3
HIST 10953	East Asian Civilization Since 1700 OR	3
HIST 20943	Honors History Asian Civilization to 1500	3
HIST 20953	Honors History of Asian Civilization Since 1500	3

**Middle East:**

HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 10833	History of Islamic Slavery	3

**World:**

HIST 10103	World History to 1500	3
HIST 10113	World History since 1500	3

- A maximum of 15 hours (exclusive of the History Major Seminar) in any one of these geographic areas may count toward the requirements for the major. Geographic association is indicated by the abbreviations U.S., EU, LA, AS and ME.
- A minimum of 12 hours taken in courses numbered 30000 or above.

**History majors must take:**

ADRN 20101	Make Your Major Work	1
HIST 20003	The Historian's Craft	3
HIST 49903	History Major Seminar	3

- The department recommends that students take ADRN 20101 their sophomore year.
- Prerequisites for the History Major Seminar are:
  - junior or senior standing and
  - at least 15 completed hours in History including the Historian's Craft
- Students pursuing departmental Honors may, with the advisor's approval, substitute a History Major Seminar for:
  - HIST 30153 Junior Honors Tutorial, AND;
  - HIST 40103 Senior Honors Tutorial

**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 six categories:**

**U.S.:**

HIST 10603	United States History: A Survey to 1877 OR	3
HIST 20603	The American Mind (HON)	3
HIST 10613	United States History: A Survey since 1877 OR	3
HIST 20613	The American Mind since 1877 (Honors)	3
HIST 10703	African American Experience Since 1619	3
HIST 10713	Multicultural America: A Historical Survey	3
HIST 10723	History of Latinas/os in the United States	3

**Europe:**

HIST 10203	Origins of Western Civilization: Europe to 1348	3
HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present OR	3
HIST 20203	Origins of Western Civilization: Europe to 1348 (Honors)	3
HIST 20213	The World Expanded: Europe 1348-1789 (Honors)	3
HIST 20223	Honors Modernization and its Discontents: Europe 1789 to the Present	3

**Latin America:**

HIST 10923	Latin American History: Colonial Period	3
HIST 10933	Latin American History: National Period OR	3
HIST 20923	Honors History of Latin American Civilization to 1830	3
HIST 20933	Honors History of Latin American Civilization since 1830	3

**Asia:**

HIST 10943	East Asian Civilization to 1700	3
HIST 10953	East Asian Civilization Since 1700 OR	3

HIST 20943	Honors History Asian Civilization to 1500	3
HIST 20953	Honors History of Asian Civilization Since 1500	3

**Middle East:**

HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 10833	History of Islamic Slavery	3

**World:**

HIST 10103	World History to 1500	3
HIST 10113	World History since 1500	3

**Three hours from the following are recommended but not required**

HIST 10203	Origins of Western Civilization: Europe to 1348	3
HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10603	United States History: A Survey to 1877	3
HIST 10613	United States History: A Survey since 1877	3

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	Origins of Western Civilization: Europe to 1348	3
	OR	
HIST 10213	The World Expanded: Europe 1348-1789	3
	OR	
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10603	United States History: A Survey to 1877	3
	AND	
HIST 10613	United States History: A Survey since 1877	3
	OR	
HIST 10903		
	AND	
HIST 10913		
HIST 40743	History of Texas	3
HIST	9 semester hours at the 30000 level or above	

## Minor in Global History

**The minor in global history requires 18 hours, to be distributed as follows: Part I Requirements (history component): Twelve hours of history courses drawn from the following categories:**

**A minimum of nine hours of survey courses, drawn from at least three out of the following six categories:**

**History**

HIST 10103	World History to 1500	3
HIST 10113	World History since 1500	3
HIST 10203	Origins of Western Civilization: Europe to 1348	3
HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10533	Freshman Seminar in History	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 10833	History of Islamic Slavery	3
HIST 10843	Pirates of the Mediterranean	3
HIST 10923	Latin American History: Colonial Period	3
HIST 10933	Latin American History: National Period	3
HIST 10943	East Asian Civilization to 1700	3
HIST 10953	East Asian Civilization Since 1700	3

**Classical Studies: The Ancient World**

HIST 30003	The Greek World	3
HIST 30013	The Roman Republic and Empire	3
HIST 30023	Ancient Egypt and the Near East	3
HIST 30033	Ancient Mysteries: Sense and Nonsense	3

**The Middle Ages**

HIST 30133	The Middle Ages	3
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**Early Modern Europe**

HIST 30203	The Renaissance	3
HIST 30223	The Seventeenth Century	3
HIST 30233	Enlightenment Europe	3
HIST 30243	Spain: From Columbus to Franco	3
HIST 30403	History of Russia to 1861	3

**Modern Europe**

HIST 30303	The Age of Great Transformation: Europe, 1815-1870	3
HIST 30323	Peace or Pause? Europe, 1919-1945	3
HIST 30333	A Whole New World: Europe since 1845	3
HIST 30343	The French Revolution: from Subjects to Citizens	3
HIST 30363	Modern Germany, 1815 to the Present	3

HIST 30373	European Thought and Culture, 1800 to the Present	3
HIST 30383	Experiences and Encounters: Paris and Madrid, 1880-1940	3
HIST 30393	Totalitarianism in Europe	3
HIST 30413	History of Russia from 1861 to the Present	3
HIST 30423	Central Europe since 1700	3

**Asia**

HIST 30443	History of Modern China: from Ming to Mao	3
HIST 40843	The Vietnam War	3

**England and the British Empire**

HIST 30503	History of England to 1603	3
HIST 30513	History of England and Great Britain since 1603	3
HIST 30523	Tudor-Stuart England, 1485-1714	3
HIST 30533	England, 1815-1901, Politics, Prudery, and the Pax Britannica	3
HIST 30543	Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present	3
HIST 30553	History of Ireland since 1600	3
HIST 30563	The British Empire, 1603-1857	3
HIST 30573	British Empire and Commonwealth, 1857-1975	3
HIST 30583	Living in London	3
HIST 30593	Making of Modern England	3
HIST 30653	The Life and Times of Benjamin Disraeli	3

**Latin America**

HIST 30903	Indigenous Movements in Latin America	3
HIST 30913	History of Central America	3
HIST 30923	The United States and Latin America	3
HIST 30933	Revolution in Latin America	3
HIST 30943	The Spanish Borderlands	3
HIST 30953	History of Argentina and Chile	3
HIST 30963	History of Brazil	3
HIST 30973	Biography in Latin American History	3
HIST 30983	Aztecs, Incas, and Mayas: The Indians of Middle and South America	3
HIST 30993	History of Mexico	3
HIST 31003	Latin American Food in Global Context	3
HIST 41903	History of Cuba	3
HIST 41913	Afro-Latin America	3

**Africa and the Middle East**

HIST 30703	Modern Egypt: A History	3
HIST 30713	Revolutionary Iran: A History	3
HIST 30723	Women in the Middle East	3
HIST 30733	Syria and Iraq: Troubled History from WWI to the Rise of ISIS	3
HIST 30743	Muslim Gunpowder Empires	3
HIST 31903	Summer Study in Ghana	3

**Honors and Pre-Honors Courses**

HIST 20203	Origins of Western Civilization: Europe to 1348 (Honors)	3
HIST 20213	The World Expanded: Europe 1348-1789 (Honors)	3
HIST 20223	Honors Modernization and its Discontents: Europe 1789 to the Present	3
HIST 20923	Honors History of Latin American Civilization to 1830	3
HIST 20933	Honors History of Latin American Civilization since 1830	3
HIST 20943	Honors History Asian Civilization to 1500	3
HIST 20953	Honors History of Asian Civilization Since 1500	3
HIST 30153	Junior Honors Tutorial	3
HIST 40103	Senior Honors Project	3

**Topical Studies in History**

HIST 30623	History of Science	3
HIST 30673	History of Museums and Collecting	3
HIST 30970	Topical Studies in History	1.00-20.00
HIST 40003	The Women's Movement in England and America, 1792-1972	3
HIST 50133	Seminar in Literature and History	3
HIST 50970	Special Studies in History	1.00-20.00

**Professional Courses for Archivists and Specialists**

HIST 30073	Internship in Public History	3
HIST 50080	Archival Internship	1.00-20.00

**Part III Requirements (experiential component): 3 hours from the following**

3 hours from the following:

HIST 30073	Internship in Public History	3
	OR	
	Three hours of independent study/thesis	
	OR	
	Any 3 hours of history in a TCU Study Abroad Program	

Six hours must be 30000 or above.

Students cannot combine a history major with the minor in global history.

**Part II Requirements (interdisciplinary global awareness):**

3 hours of a Global Awareness (GA) course from any department outside history.

**History Course Subcategories****History**

HIST 10103	World History to 1500	3
HIST 10113	World History since 1500	3
HIST 10203	Origins of Western Civilization: Europe to 1348	3

HIST 10213	The World Expanded: Europe 1348-1789	3
HIST 10223	Modernization and its Discontents: Europe 1789 to the Present	3
HIST 10533	Freshman Seminar in History	3
HIST 10603	United States History: A Survey to 1877	3
HIST 10613	United States History: A Survey since 1877	3
HIST 10703	African American Experience Since 1619	3
HIST 10713	Multicultural America: A Historical Survey	3
HIST 10723	History of Latinas/os in the United States	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 10833	History of Islamic Slavery	3
HIST 10843	Pirates of the Mediterranean	3
HIST 10923	Latin American History: Colonial Period	3
HIST 10933	Latin American History: National Period	3
HIST 10943	East Asian Civilization to 1700	3
HIST 10953	East Asian Civilization Since 1700	3

**Classical Studies: The Ancient World**

HIST 30003	The Greek World	3
HIST 30013	The Roman Republic and Empire	3
HIST 30023	Ancient Egypt and the Near East	3
HIST 30033	Ancient Mysteries: Sense and Nonsense	3

**The Middle Ages**

HIST 30133	The Middle Ages	3
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**Early Modern Europe**

HIST 30203	The Renaissance	3
HIST 30223	The Seventeenth Century	3
HIST 30233	Enlightenment Europe	3
HIST 30243	Spain: From Columbus to Franco	3
HIST 30253	Popular Culture in Early Modern Europe	3
HIST 30403	History of Russia to 1861	3

**Modern Europe**

HIST 30303	The Age of Great Transformation: Europe, 1815-1870	3
HIST 30323	Peace or Pause? Europe, 1919-1945	3
HIST 30333	A Whole New World: Europe since 1845	3
HIST 30343	The French Revolution: from Subjects to Citizens	3
HIST 30363	Modern Germany, 1815 to the Present	3
HIST 30373	European Thought and Culture, 1800 to the Present	3
HIST 30383		
HIST 30393	Totalitarianism in Europe	3
HIST 30413	History of Russia from 1861 to the Present	3
HIST 30423	Central Europe since 1700	3

**Asia**

HIST 30443	History of Modern China: from Ming to Mao	3
HIST 40843	The Vietnam War	3

**England and the British Empire**

HIST 30503	History of England to 1603	3
HIST 30513	History of England and Great Britain since 1603	3
HIST 30523	Tudor-Stuart England, 1485-1714	3
HIST 30533	England, 1815-1901, Politics, Prudery, and the Pax Britannica	3
HIST 30543	Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present	3
HIST 30553	History of Ireland since 1600	3
HIST 30563	The British Empire, 1603-1857	3
HIST 30573	British Empire and Commonwealth, 1857-1975	3
HIST 30583	Living in London	3
HIST 30593	Making of Modern England	3
HIST 30653	The Life and Times of Benjamin Disraeli	3

**Latin America**

HIST 30903	Indigenous Movements in Latin America	3
HIST 30913	History of Central America	3
HIST 30923	The United States and Latin America	3
HIST 30933	Revolution in Latin America	3
HIST 30943	The Spanish Borderlands	3
HIST 30953	History of Argentina and Chile	3
HIST 30963	History of Brazil	3
HIST 30973	Biography in Latin American History	3
HIST 30983	Aztecs, Incas, and Mayas: The Indians of Middle and South America	3
HIST 30993	History of Mexico	3
HIST 31003	Latin American Food in Global Context	3
HIST 41903	History of Cuba	3
HIST 41913	Afro-Latin America	3

**Africa and the Middle East**

HIST 30703	Modern Egypt: A History	3
HIST 30713	Revolutionary Iran: A History	3
HIST 30723	Women in the Middle East	3
HIST 30733	Syria and Iraq: Troubled History from WWI to the Rise of ISIS	3
HIST 30743	Muslim Gunpowder Empires	3
HIST 31903	Summer Study in Ghana	3

**Period Studies in U.S. History**

HIST 40603	Colonial America: From the Age of Discovery to 1763	3
HIST 40613	Revolutionary America, 1763-1789	3
HIST 40623	The Age of Jefferson, 1789-1828	3
HIST 40633	The Age of Jackson, 1829-1860	3
HIST 40643	Civil War and Reconstruction, 1861-1876	3
HIST 40653	Beer Drinkers, Hell Raisers, and Robber Barons: America in the Gilded Age and Progress Era	3
HIST 40663	America Between World Wars, 1919-1941	3

HIST 40673	The United States from 1941 to 1975	3
<b>Topical Studies in U.S. History</b>		
HIST 20763	U. S. Military History	3
HIST 30603	History of Women in America	3
HIST 30613	History of Working People in America	3
HIST 30643	History of Food in America	3
HIST 30683	History of Queer America	3
HIST 30803	U.S. Urban History	3
HIST 30813	Oral History Field Research Seminar	3
HIST 30833	The Civil Rights Movement in America	3
HIST 40693	American Empire	3
HIST 40703	Indians of the United States	3
HIST 40713	Indians of the Greater Southwest	3
HIST 40723	The Early American Frontier	3
HIST 40733	The American West to 1900	3
HIST 40743	History of Texas	3
HIST 40763	The Old South	3
HIST 40783	Constitutional History of the United States	3
HIST 40793	Business in American Life	3
HIST 40803	History of Medicine and Public Health	3
HIST 40813	American West since 1900	3
HIST 40823	U.S. South since 1865	3
HIST 40833	The American Presidency	3
HIST 40843	The Vietnam War	3
HIST 40853	American Environmental History	3
HIST 40863	American Sport History	3
HIST 40883	War and Memory in American Culture	3
HIST 40893	War and Gender in American History	3

**Honors and Pre-Honors Courses**

HIST 20203	Origins of Western Civilization: Europe to 1348 (Honors)	3
HIST 20213	The World Expanded: Europe 1348-1789 (Honors)	3
HIST 20223	Honors Modernization and its Discontents: Europe 1789 to the Present	3
HIST 20603	The American Mind (HON)	3
HIST 20613	The American Mind since 1877 (Honors)	3
HIST 20923	Honors History of Latin American Civilization to 1830	3
HIST 20933	Honors History of Latin American Civilization since 1830	3
HIST 20943	Honors History Asian Civilization to 1500	3
HIST 20953	Honors History of Asian Civilization Since 1500	3
HIST 30153	Junior Honors Tutorial	3
HIST 40103	Senior Honors Project	3

**Topical Studies in History**

(Area selected by student)

HIST 20003	The Historian's Craft	3
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HIST 30623	History of Science	3
HIST 30663	War and Society	3
HIST 30673	History of Museums and Collecting	3
HIST 30970	Topical Studies in History	1.00-20.00
HIST 40003	The Women's Movement in England and America, 1792-1972	3
HIST 50133	Seminar in Literature and History	3
HIST 50970	Special Studies in History	1.00-20.00

**History Major Seminars**

HIST 49903	History Major Seminar	3
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**Professional Courses for Archivists and Specialists**

HIST 30073	Internship in Public History	3
HIST 50080	Archival Internship	1.00-20.00
HIST 50960		

**Human-Animal Relationships Minor**

The Interdisciplinary minor in Human-Animal Relationships (HARE) provides students theoretical and practical expertise in the crucial, diverse, yet often overlooked roles animals play in human society, culture and well-being. Moreover, the minor helps students understand how humans impact the lives of other animals, both wild and domestic.

**Human-Animal Relationships Minor**

Students seeking the minor must complete 18 hours.

**Requirements**

HARE 30403	Perspectives on Human-Animal Relationships	3
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Select the remaining 15 hours from courses that carry the HARE attribute.

ANTH 20613	Introduction to Physical Anthropology	3
ANTH 30303	Into the Small: Little Animals in Art, Culture, and Museums	3
ANTH 30743	Animals, Religion, and Culture	3
ANTH 30783	Anthropological Approaches to Nature and the Sacred	3
ANTH 30823	Native American Religions and Ecology	3
ANTH 30923	Studies in Anthropology	3
ARST 30233	Exploring Animal Imagery	3
ARST 30303	Into the Small: Little Animals in Art, Culture, and Museums	3
ARST 40553	Zoo Animal Enrichment	3
ARST 40970	Special Problems	1.00-21.00
BIOL 30613	Natural History	3
ENGL 30743	Illustrated Storytelling: Comic Books, Graphic Novels, Art and Film	3

ENSC 10143	Contemporary Environmental Issues	3
ENSC 40173	Mammalogy	3
ENSC 40353	Wildlife Ecology and Management	3
ENSC 40553	Zoo Animal Enrichment	3
ENSC 40603	South African Biodiversity and Human Development Part 1	3
ENSC 50233	Urban Wildlife	3
HARE 30003	Junior Honors Seminar in Human-Animal Relationships	3
HARE 40003	Senior Honors Research Paper in Human-Animal Relationships	3
NTDT 30643	Veganism, Sustainability, and Plant-based Food Studies	3
PHIL 20343	Mind, Consciousness, Self	3
PSYC 30473	Comparative Psychology	3
PSYC 30533	Animal Cognition	3
RAMA 20103	Challenges of Global Food Production	3
SOCI 30223	Contemporary Topics in Sociology	3
SOCI 40303	Animals, Culture and Society	3
SOCI 40623	Sociology Internship in Public and Non-Profit Agencies	3
SOWO 40413	Animal Assisted Therapy and Social Work	3
WRIT 30293	Non-Human Rhetoric and Representation	3
WRIT 40333	Language, Rhetoric and Culture	3

**Foreign Policies of States (3 hours)**

POSC 33503	Contemporary U.S. Foreign Policy	3
POSC 33513	United States Foreign Policy Making	3
POSC 33603	International Relations of East Asia	3
POSC 33613	The International Relations of Japan	3
POSC 33623	Chinese Foreign Policy	3
POSC 33633	Russian Foreign Policy	3

**International Processes (3 hours)**

POSC 33033	Conflict and Negotiation	3
POSC 33113	Globalization and Political Economy	3
POSC 33123	Globalization	3
POSC 33703	Mideast Conflicts	3

**9 hours of 30000+ level electives selected from the following list of courses, or courses that are advisor approved.**

ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3
ANTH 30333	Mexican American Culture	3
ANTH 30773	Latin American Pop Culture	3
ANTH 30973	France Today: Citizenship, Identity, and Nationalism	3
ANTH 40433	Transnational Processes: Globalization, Migrations, and Borders	3
CHIN 30113	Chinese Civilization and Culture	3
CRJU 30943	Japan: Heritage, Culture, and Globalization	3
CRJU 30963	Japan: Environment, Technology, and Sustainability	3
ECON 30213	Development Theory	3
ECON 30433	Development Studies	3
ECON 30443	Asian Economics	3
ECON 30453	Economics of the European Union	3
ECON 30463	Latin American Economics	3
ECON 30493	International Economic Studies	3
ECON 40213	International Trade and Payments	3
ECON 40223	International Monetary Economics	3
ENGL 30173	Marxist Cultural Theory	3
ENGL 30683	Post-Colonial Anglophone Literature	3
ENGL 30783	Modern India: Literature and Culture	3
ENGL 30793	Multi-Ethnic Literature of the World	3
ENGL 40413	Renaissance in England	3
ENGL 40693	British and Irish Poetry Since 1900	3
FINA 40623	International Finance	3
FINA 40703	International Finance Study Abroad	3
FREN 30153	French Culture and Civilization I	3
FREN 30163	French Culture and Civilization II	3
FREN 30173	France Today: Citizenship, Identity, and Nationalism	3
FREN 30176	French Culture and Civilization: Study Abroad in France	6
FREN 30253	Contemporary France through the Media	3
GEOG 30523	Geography of Latin America	3

**Additional Requirement:**

- No more than 6 hours may be taken throughout the minor program in any one major or program.
- No course may count for both the student's major and this minor.
- ANTH 30923, ARST 40970, ENGL 30743, SOCI 30223, and WRIT 40333 only count as approved electives when their topic is appropriate. Courses applying toward the HARE minor will be identified by the "Human-Animal Relationships" class attribute in Class Search each semester.

Other courses may be applied with the approval of the minor director or co-director.

**The International Relations minor is 21 credit hours.**

**Required Courses**

**Intro to IR (3 hours)**

POSC 20303	International Politics	3
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**Comparative Politics (3 hours)**

POSC 20503	Introduction to Comparative Politics	3
POSC 35013	Comparative Democratic Systems	3
POSC 35023	Comparative Social Movements	3
POSC 35043	Politics of Developing Nations	3

GEOG 30533	Geography of Western Europe	3	HIST 30923	The United States and Latin America	3
GEOG 30723	Cultural Geography	3	HIST 30933	Revolution in Latin America	3
GRMN 30053	German Geography, Culture, and Language	3	HIST 30943	The Spanish Borderlands	3
GRMN 30063	German Politics, Culture and Language	3	HIST 30953	History of Argentina and Chile	3
GRMN 40023	German Culture and Civilization	3	HIST 30963	History of Brazil	3
HIST 30003	The Greek World	3	HIST 30973	Biography in Latin American History	3
HIST 30013	The Roman Republic and Empire	3	HIST 30983	Aztecs, Incas, and Mayas: The Indians of Middle and South America	3
HIST 30023	Ancient Egypt and the Near East	3	HIST 30993	History of Mexico	3
HIST 30033	Ancient Mysteries: Sense and Nonsense	3	HIST 31903	Summer Study in Ghana	3
HIST 30133	The Middle Ages	3	HIST 40003	The Women's Movement in England and America, 1792-1972	3
HIST 30203	The Renaissance	3	HIST 40103	Senior Honors Project	3
HIST 30223	The Seventeenth Century	3	HIST 40663	America Between World Wars, 1919-1941	3
HIST 30233	Enlightenment Europe	3	HIST 40693	American Empire	3
HIST 30243	Spain: From Columbus to Franco	3	HIST 40843	The Vietnam War	3
HIST 30253	Popular Culture in Early Modern Europe	3	HIST 41903	History of Cuba	3
HIST 30303	The Age of Great Transformation: Europe, 1815-1870	3	HIST 49903	History Major Seminar	3
HIST 30323	Peace or Pause? Europe, 1919-1945	3	IDFM 40243	Global Trade of Textiles and Apparel	3
HIST 30333	A Whole New World: Europe since 1845	3	INSC 40353	Global Supply Chain Management	3
HIST 30343	The French Revolution: from Subjects to Citizens	3	ITAL 30176	Study Abroad in Italy: Language and Culture	6
HIST 30363	Modern Germany, 1815 to the Present	3	POSC 32053	Global Justice	3
HIST 30373	European Thought and Culture, 1800 to the Present	3	POSC 33003	Topics in International Politics	3
HIST 30383	Experiences and Encounters: Paris and Madrid, 1880-1940	3	POSC 33013	United Nations Institutions and Processes	3
HIST 30393	Totalitarianism in Europe	3	POSC 33023	International Organizations Research	3
HIST 30403	History of Russia to 1861	3	POSC 33033	Conflict and Negotiation	3
HIST 30413	History of Russia from 1861 to the Present	3	POSC 33103	Feminist International Relations Theory	3
HIST 30423	Central Europe since 1700	3	POSC 33113	Globalization and Political Economy	3
HIST 30443	History of Modern China: from Ming to Mao	3	POSC 33123	Globalization	3
HIST 30503	History of England to 1603	3	POSC 33133	Energy and Global Geostrategy	3
HIST 30513	History of England and Great Britain since 1603	3	POSC 33203	Political Economy of Human Trafficking	3
HIST 30523	Tudor-Stuart England, 1485-1714	3	POSC 33503	Contemporary U.S. Foreign Policy	3
HIST 30533	England, 1815-1901, Politics, Prudery, and the Pax Britannica	3	POSC 33513	United States Foreign Policy Making	3
HIST 30543	Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present	3	POSC 33523	U.S. Foreign Policy in Film	3
HIST 30553	History of Ireland since 1600	3	POSC 33603	International Relations of East Asia	3
HIST 30563	The British Empire, 1603-1857	3	POSC 33613	The International Relations of Japan	3
HIST 30573	British Empire and Commonwealth, 1857-1975	3	POSC 33623	Chinese Foreign Policy	3
HIST 30583	Living in London	3	POSC 33633	Russian Foreign Policy	3
HIST 30593	Making of Modern England	3	POSC 33703	Mideast Conflicts	3
HIST 30633	Women in European History 1789 to the Present	3	POSC 34063	International Human Rights and Humanitarian Law	3
HIST 30703	Modern Egypt: A History	3	POSC 35003	Topics in Comparative Politics	3
HIST 30713	Revolutionary Iran: A History	3	POSC 35013	Comparative Democratic Systems	3
HIST 30723	Women in the Middle East	3	POSC 35023	Comparative Social Movements	3
HIST 30913	History of Central America	3	POSC 35033	Islam and Politics	3
			POSC 35043	Politics of Developing Nations	3
			POSC 35503	The Politics and the Culture of the Middle East and North Africa	3
			POSC 35613	The Politics of Japan	3
			POSC 35623	Politics of China	3



POSC 35633	Contemporary Issues in China	3
POSC 35643	Entrepreneurship in China	3
POSC 35703	Politics of Western Europe	3
POSC 35713	Politics of the European Union	3
POSC 35723	Political Life in Central Europe	3
POSC 35803	Latin America: The Challenge of Democratic Consolidation	3
RELI 30493	Latina/o Religion, Law and Identity	3
RELI 30513	Hindu Religious Perspectives	3
RELI 30523	East Asian Religious Perspectives	3
RELI 30533	Buddhism: Thought and Practice	3
RELI 30543	Islam	3
RELI 30553	African Religions	3
RELI 30563	Judaism	3
RELI 40613	Constructive Global Ethics	3
SOCI 30923	Leadership London: Social and Cultural Contexts of Leadership	3
SOCI 30953	Japan: Crime, Criminal Justice and Social Problems	3
SOCI 30963	Japan: Environment, Technology, and Sustainability	3
SOCI 30973	Scandinavia: Sociology and Sustainability	3
SPAN 30023	Summer Study Abroad - Culture	3
SPAN 32003	Culture of Spain	3
SPAN 32103	Culture of Latin America	3
SPAN 32203	Popular Cultures of Spanish-speaking Countries	3
SPAN 42203	Borderland Cultures	3
STCO 44433	Global Branding	3
STCO 47433	Global Communication	3

12 hours must be 30000 or above.

All courses in the minor must be passed with a C- or better.

The minor is not available to political science majors.

Latin American Studies (LAST) See Spanish & Hispanic Studies, Track 3.

## Latinx Studies Minor

Latinx studies is available as a minor on both the BA and BS degrees. Latinx studies is a 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.

## Requirements

The Latinx Studies minor requires 18 hours to include Introduction to Latinx Studies. The remaining 15 hours are to be chosen from at least three different departments.

### Currently, approved courses include:

LTNX 20003	Introduction to LTNX Studies	3
ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3
ANTH 30333	Mexican American Culture	3
ANTH 30433	Mexican-American Folklore: Traditions of La Raza	3
ANTH 30703	Archaeology of Mexico and Peru	3

CRES 10103	Engaging Difference and Diversity in America	3
CRES 20003	Gateway Seminar in Critical Race Theory	3
CRES 30303	Feminisms of Color	3
CRES 30403	Transnational Gender & Sexuality	3
CRES 30503	Crimmigration	3
CRJU 30843	Race Issues in CRJU	
ENGL 20563	Introduction to Latina/o Literature	3
ENGL 30703	Contemporary Latinx Literature	3
HIST 10723	History of Latinas/os in the United States	3
HIST 30823	The Chicano/a Movement, Latino/a Politics, and Immigration Rights	3
HIST 30923	The United States and Latin America	3
POSC 31543	The Chicano/a Movement, Latino/a Politics, and Immigration Rights	3
RELI 30463	Being Latina/o and Religious in the U.S.	3
RELI 30843	Latina Feminist Religious Thought	3
RELI 30493	Latina/o Religion, Law and Identity	3
SOCI 30343	Sociology of Race and Racism	3
SPAN 31803	Service-Learning in the Latino Community	3
SPAN 42003	Hispanic Literature in USA	3

Other courses may be applied to the minor with the approval of the associate dean of AddRan College.

A list of approved courses can be found in the catalog and on the department website. Contact CRES@tcu.edu for more information.

## Middle East Studies

Middle East Studies is an interdisciplinary program that critically examines historical, social, political, cultural and religious conditions of states and societies of the Middle East and Eastern communities in Diaspora. The goal of the program is to provide students a deeper understanding of the complexity of one of the most critical, but least understood, regions in world.

## Middle East Studies Minor

Students seeking the minor must complete 18 hours.

## Requirements

### To include 6 hours chosen from:

HIST 10803	Introduction to Islamic Civilization	3
	OR	
RELI 30543	Islam	3
HIST 10813	Introduction to the Modern Middle East	3
	OR	
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3

### Select the remaining 12 hours from courses that carry the MES attribute from at least three different departments.

Other courses may be applied to the minor with the approval of the minor coordinator.

### Additional Requirement:

- No more than 9 hours may be taken throughout the minor program in any one department.
- At least 9 hours must be at the 30000 level or above.

- Courses may not count for both major and minor requirements. For example, if a student seeks a Middle East Studies minor and a history major, Introduction to Islamic Civilizations (HIST 10803) could count toward the requirements for the minor or the major, but not both.

Courses may not count for both major and minor requirements. For example, if the student seeks a Middle East minor and a history major, HIST 10803 (Introduction to Islamic Civilizations) could count toward the requirements for the minor OR the requirements for the major, but not both.

## Middle East Studies Emphasis

Students seeking the minor must complete 15 hours.

### Requirements

#### To include 6 hours chosen from:

HIST 10803	Introduction to Islamic Civilization	3
	OR	
RELI 30543	Islam	3
HIST 10813	Introduction to the Modern Middle East	3
	OR	
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3

#### Select the remaining 9 hours from courses that carry the MES attribute.

Emphasis students may count MES-approved courses towards their major/minor and the emphasis. They may also concentrate their MES electives in a single department.

Emphasis students in programs requiring a minor must complete a minor in another disciplinary field.

#### A list of approved courses for the Middle Eastern Studies Minor and Emphasis.

ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3
ANTH 30973	France Today: Citizenship, Identity, and Nationalism	3
ARAB 10163	Beginning Arabic II	3
ENGL 20213	Global Women's Literature	3
ENGL 30793	Multi-Ethnic Literature of the World	3
ENGL 20933	Non-Western World Literature	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 10833	History of Islamic Slavery	3
HIST 10843	Pirates of the Mediterranean	3
HIST 30703	Modern Egypt: A History	3
HIST 30713	Revolutionary Iran: A History	3
HIST 30723	Women in the Middle East	3
HIST 30743	Muslim Gunpowder Empires	3
POSC 33033	Conflict and Negotiation	3
POSC 33703	Mideast Conflicts	3
POSC 35033	Islam and Politics	3
POSC 35043	Politics of Developing Nations	3
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3

RELI 10023	Understanding Religion: Communities	3
RELI 10033	Understanding Religion: Texts and Ideas	3
RELI 10043	Understanding Religion: Society and Culture	3
RELI 20503	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 30543	Islam	3
RELI 30863	Religion and Violence	3
RELI 30873	Islam in America	3
RELI 30663	Modern Islam	3
SOCI 30863	Gender Politics: International Perspectives	3

\*\*RELI 10033 must be Understanding Rel: Texts&Ideas - The Qur'an

## 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 Army National Guard).

The Military Science Program is composed of a two-year Basic Course, a two-year Advanced Course, and a four-week Advanced Camp summer program. Non-scholarship students enrolling in only first-year and sophomore-level classes incur no obligation to serve in the military after graduation.

Upon completion of the requirements for the baccalaureate or master's degree and military science training requirements, students are commissioned as second lieutenants.

Four-year, three-year and two-year programs are offered. Each program includes the option for qualified students to benefit from a full-tuition and mandatory 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 first-year 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 receive equivalent credit by attending the Cadet Command Basic Camp);
- Be of good moral character;
- Have a minimum of two years remaining as a full-time student;
- Have a minimum GPA of 2.0 and;
- Be physically qualified (medical & fitness);

A paid and highly adventurous four-week training session (Advanced Camp) 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 four-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 of \$420 for each month the student participates in full-time on-campus instruction (limited to 10 months each year).

### 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 February 4th of the student's senior year in high school.

### Three-Year Scholarships

First-year 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 four-week summer training session (Basic Camp) 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 Scholarships and Student Financial Aid can provide further information.

### Waivers

Part or all of the Basic Course may be waived for veterans with acceptable active duty service. Students that have completed four years of JROTC may receive a waiver for the Basic Course. Students transferring from a military academy or military junior college may also receive a waiver for the Basic Course.

## 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.

#### Basic Courses

MILS 10041	Introduction to Leadership I	1
MILS 10081	Introduction to Leadership II	1
MILS 20042	Basic Leadership I	2
MILS 20092	Basic Leadership II	2

Leadership Lab (MILS 10001) is required for all courses listed.

#### Advanced Courses

MILS 30053	Intermediate Leadership I	3
MILS 30063	Intermediate Leadership II	3
MILS 40053	Advanced Leadership I	3
MILS 40063	Advanced Leadership II	3

Leadership Lab (MILS 10001) is required for all courses listed.

## Military Science Minor

Required Courses (19 Semester Hours)

MILS 10001	Leadership Lab	1
MILS 30053	Intermediate Leadership I	3
MILS 30063	Intermediate Leadership II	3
MILS 40053	Advanced Leadership I	3
MILS 40063	Advanced Leadership II	3
3 hours from:		
HIST 10603	United States History: A Survey to 1877	3
HIST 10613	United States History: A Survey since 1877	3
HIST 20763	U. S. Military History	3

- 1). Must be enrolled in the Army ROTC Program.
- 2). Successfully completed with a grade of a B or better in all areas
- 3). Successfully complete the Army's Advanced Camp offered annually in the summer, and,
- 4). Meet all the Army's prerequisites to be eligible for a commission as an Army Officer upon graduation

## Middle East Studies Emphasis

Students seeking the minor must complete 15 hours.

### Requirements

To include 6 hours chosen from:

HIST 10803	Introduction to Islamic Civilization	3
OR		
RELI 30543	Islam	3
HIST 10813	Introduction to the Modern Middle East	3
OR		
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3

Select the remaining 9 hours from courses that carry the MES attribute.

Emphasis students may count MES-approved courses towards their major/minor and the emphasis. They may also concentrate their MES electives in a single department.

Emphasis students in programs requiring a minor must complete a minor in another disciplinary field.

A list of approved courses for the Middle Eastern Studies Minor and Emphasis.

ANTH 30323	Migration: Crossing Borders, Crossing Cultures	3
ANTH 30973	France Today: Citizenship, Identity, and Nationalism	3
ENGL 20213	Global Women's Literature	3
ENGL 30793	Multi-Ethnic Literature of the World	3
ENGL 20933	Non-Western World Literature	3
HIST 10803	Introduction to Islamic Civilization	3
HIST 10813	Introduction to the Modern Middle East	3
HIST 30703	Modern Egypt: A History	3
HIST 30713	Revolutionary Iran: A History	3
HIST 30723	Women in the Middle East	3
POSC 33033	Conflict and Negotiation	3

POSC 33703	Mideast Conflicts	3
POSC 35033	Islam and Politics	3
POSC 35043	Politics of Developing Nations	3
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3
RELI 10023	Understanding Religion: Communities	3
RELI 10043	Understanding Religion: Society and Culture	3
RELI 20503	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 30543	Islam	3
RELI 30863	Religion and Violence	3
RELI 30873	Islam in America	3

## Modern Language Studies

Majors are available in modern language studies with specializations in Chinese, French, German and Italian. Minors are also available in Chinese, French, German and Italian. Language study through the fourth semester is available in Arabic and Japanese.

### 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 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.
- If the first foreign language class is at the third semester level 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.
- If the first foreign language class is at the fourth semester level 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.
- 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.

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 Language Studies 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 Language Studies strongly supports study abroad. Department members lead summer study programs to France, Germany, Italy and Japan. Semester-long study abroad programs are available through TCU Global. 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 towards the required language courses within the Modern Language Studies major or towards any departmental minor. Students may, however, apply additional study abroad credits to the required interdisciplinary course within the major.

## Modern Language Studies, BA Requirements

The BA with a major in modern language studies requires 27 semester hours in a combination of modern language courses. Each student performs a program of study in consultation with a faculty adviser in the Department of Modern Language Studies. Students may concentrate in Chinese, German, French, or Italian.

### General Requirements:

To earn a major in modern language studies (concentrations in Chinese, French, German or Italian available), students must complete a total of 27 hours in courses taught predominantly in the modern language studies department. One interdisciplinary course from another department can count under part (d). A maximum of 9 credit hours can be transferred from study abroad programs or other universities.

Students must complete

- (a) 20053 and 20063 in the language of concentration (6 hours)
- (b) the gateway class MOLA 20003: Cosmopolitanism: Thinking from a Global Perspective and the capstone class MOLA 40193: Senior Seminar with variable topics (6 hours)
- (c) 3 classes taught in the language of concentration at the 30000 level or above with at least 1 class at the 40000 level. (9 hours).
- (d) 2 classes at any level with an ARAB, CHIN, FREN, GRMN, ITAL, JAPN or MOLA prefix (exclusive of language-sequence classes in the language of concentration). While not required, one interdisciplinary class from outside the Department of Modern Language Studies may be counted for 1 of these 2 classes. For the interdisciplinary classes, see the list below and in other cases, please consult with and seek the approval of the major advisor and chair. Only one of these 2 classes may be taught in English. (6 hours)

No credit will be given to native speakers for 10000- and 20000-level language-sequence courses (10153, 10163, 20053, 20063); heritage speakers may only receive credit with permission of the program advisor and the department chair.

A native speaker is considered to be someone who completed primary and secondary education in a country where the language of concentration is spoken. A heritage speaker is someone who was primarily educated in U.S. schools but who speaks the language of concentration in the home and with friends and co-workers. Native speakers and heritage speakers not eligible to take these courses must take additional upper-level courses instead of the language-sequence courses, to be determined in consultation with the program advisor.

## Modern Language Studies Minor

The modern language studies minor requires 21 semester hours. Students may concentrate in Chinese, French, German, or Italian. The 21 semester hours can include:

- (a) 9-12 hours from the language-sequence courses (10153, 10163, 20053, 20063) in the relevant language;
- (b) and 9-12 hours from courses with the relevant language prefix (CHIN, FREN, GRMN, or ITAL) or the MOLA prefix, excluding the language-sequence courses. At least 6 of these latter 9-12 hours must be at the 30000 level or higher. No more than 3 hours from a course taught in English may be counted towards the MOLA minor.

A maximum of 6 credit hours can be transferred from study abroad programs or other universities for the minor.

No credit will be given to native speakers for 10000- and 20000-level language-sequence courses (10153, 10163, 20053, 20063); heritage

speakers may only receive credit with permission of the program advisor and the department chair.

A native speaker is considered to be someone who completed primary and secondary education in a country where the language of concentration is spoken. A heritage speaker is someone who was primarily educated in U.S. schools but who speaks the language of concentration in the home and with friends and co-workers. Native speakers and heritage speakers not eligible to take these courses must take additional upper-level courses instead of the language-sequence courses, to be determined in consultation with the program advisor.

## Requirements

A maximum of 6 credit hours transferred from study abroad programs may count toward the minor.

A maximum of 3 credit hours offered outside of the Chinese program may count toward the minor.

### General Requirements

ASST 20003	Introduction to Asian Studies	3
ASST 30013	Asian Cultures, Politics, and Societies through Media	3
ECON 30443	Asian Economics	3
HIST 10953	East Asian Civilization Since 1700	3
HIST 20953	Honors History of Asian Civilization Since 1500	3
HIST 30443	History of Modern China: from Ming to Mao	3
POSC 33603	International Relations of East Asia	3
POSC 33623	Chinese Foreign Policy	3
POSC 35623	Politics of China	3
POSC 35633	Contemporary Issues in China	3
POSC 35643	Entrepreneurship in China	3
RELI 20573	Defining the Nation: China and India in Crisis	3

Other courses may also be accounted toward the minor approval from the Chinese program coordinator.

Native and heritage speakers of Chinese may not receive credit for the 10000- and 20000-level language courses. In order to earn the minor in Chinese, a native or heritage speaker must complete a minimum of 6 hours of Chinese language at the 30000 level or above. A native speaker is considered someone who completed his or her primary and secondary education in a Chinese-speaking country. A heritage speaker is someone who was primarily educated in U.S. schools but who speaks Chinese at home, with friends and co-workers, and is fluent. Any deviation from these regulations must be discussed with the Chinese program coordinator.

### Language Courses

CHIN 10153	Beginning Chinese I	3
CHIN 10163	Beginning Chinese II	3
CHIN 20053	Intermediate Chinese I	3
CHIN 20063	Intermediate Chinese II	3
CHIN 30053	Intermediate Chinese III	3
CHIN 30063	Intermediate Chinese IV	3

### Content Courses

CHIN 10033	Business Chinese	3
CHIN 10043	Chinese Calligraphy	3
CHIN 30073	Chinese Culture in Film	3
CHIN 30113	Chinese Civilization and Culture	3
CHIN 30133	Communicating in the Chinese Workplace	3

## 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 (FREN 30173). They are also advised to include Advanced French Conversation (FREN 30043) and French Culture and Civilization (FREN 30153 and FREN 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		
FREN 30063	Readings in Selected French Genres	3

### Select six hours from the following:

FREN 30033	Phonetics and Advanced Communication	3
FREN 40093		
FREN 30153	French Culture and Civilization I	3
FREN 30163	French Culture and Civilization II	3
FREN 30253	Contemporary France through the Media	3
FREN 40123	Seminar in French Studies	3
FREN 40163		
FREN 40970	Directed Study	1.00-6.00

(when available)

For more information regarding elementary and secondary teacher certification in French, see the College of Education section. (p. **Error! Bookmark not defined.**)

Subtotal: 18-24

## Modern Language Studies Course Subcategories

### Arabic

ARAB 10153	Beginning Arabic I	3
ARAB 10163	Beginning Arabic II	3
ARAB 20053	Intermediate Arabic I	3
ARAB 20063	Intermediate Arabic II	3

### Chinese

CHIN 10033	Business Chinese	3
CHIN 10153	Beginning Chinese I	3

CHIN 10163	Beginning Chinese II	3	GRMN 30063	German Politics, Culture and Language	3
CHIN 20053	Intermediate Chinese I	3	GRMN 30073	Contemporary German Culture	3
CHIN 20063	Intermediate Chinese II	3	GRMN 30193	Introduction to German Literature	
CHIN 30053	Intermediate Chinese III	3	GRMN 40023	German Culture and Civilization	3
CHIN 30063	Intermediate Chinese IV	3	GRMN 40163	Advanced Studies in Language and Culture	3
CHIN 30073	Chinese Culture in Film	3	GRMN 40970	Directed Study	1.00-6.00
CHIN 40123	Contemporary China Scenes	3			
<b>French</b>			<b>Italian</b>		
FREN 10153	First Semester College French	3	ITAL 10153	First Semester College Italian	3
FREN 10163	Second Semester College French	3	ITAL 10163	Second Semester College Italian	3
FREN 20053	Third Semester College French	3	ITAL 20053	Third Semester College Italian	3
FREN 20063	Fourth Semester College French	3	ITAL 20063	Fourth Semester College Italian	3
FREN 20153	French and Francophone Cultures in Translation	3	ITAL 20123	Italian Culture from Unification to the Present	3
FREN 30003	Junior Honors Seminar	3	ITAL 30003	Junior Honors Seminar	3
FREN 30033	Phonetics and Advanced Communication	3	ITAL 30053	Advanced Written and Oral Communication	3
FREN 30073	Introduction to Composition	3	ITAL 30063	Italian Culture as Reflected in Italian Cinema	3
FREN 30063	Readings in Selected French Genres	3	ITAL 30073	Italian Theater	3
FREN 30153	French Culture and Civilization I	3	ITAL 30083	La Novella Italiana: Topics in the Italian Short Story	3
FREN 30163	French Culture and Civilization II	3	ITAL 30093	Società Italiana: The Mosaic of Contemporary Italy	3
FREN 30173	France Today: Citizenship, Identity, and Nationalism	3	ITAL 30153	Dante's Inferno	3
FREN 30176	French Culture and Civilization: Study Abroad in France	6	ITAL 30623	Topics in Italian Cinema	3
FREN 30183	Introduction to French Cinema	3	ITAL 30970	Independent Study in Italian	1.00-6.00
FREN 30253	Contemporary France through the Media	3	ITAL 40003	Senior Honors Seminar	3
FREN 40003	Senior Honors Research Paper	3	ITAL 40023	Seminar in Italian Studies	3
FREN 40123	Seminar in French Studies	3			
FREN 40143	Non-European French Prose and Poetry	3	<b>Japanese</b>		
FREN 40163			JAPN 10153	First Semester College Japanese	3
FREN 40183	Advanced Writing and Culture	3	JAPN 10163	Second Semester College Japanese	3
FREN 40970	Directed Study	1.00-6.00	JAPN 20053	Third Semester College Japanese	3
<b>German</b>			JAPN 20063	Fourth Semester College Japanese	3
GRMN 10153	Beginning German I	3	JAPN 20990	International Residential Study	1.00-20.00
GRMN 10163	Beginning German II	3			
GRMN 20053	Beginning German III	3	<b>MOLA</b>		
GRMN 20063	Intermediate German	3	MOLA 20003	Cosmopolitanism: Thinking from a Global Perspective	3
GRMN 20123	Topics in German Culture	3	MOLA 30023	Introduction to Linguistics	3
GRMN 20133	Berlin: A city in Film	3	MOLA 30153	Theory and Practice of Translation	3
GRMN 20973	Honors: The Afterlife of the Classical Greek Tradition	3	MOLA 30990	International Residential Study	1.00-20.00
GRMN 20983	Honors: The Afterlife of the Classical Roman Tradition	3	MOLA 39990	International Residential Study	1.00-20.00
GRMN 30013	German Literature in Translation	3	MOLA 40193	Senior Seminar	3
GRMN 30053	German Geography, Culture, and Language	3			

## Philosophy

Philosophy is available as a major on the BA and BS degrees 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 interesting and rewarding. They also take with them numerous lessons from their studies that enable them to live in a way that is both more successful and fulfilling.

**Honors College**

Philosophy majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in PHIL 30003 during their junior year and PHIL 40000 the fall semester of their senior year. (PHIL 30003 may be included in the 24 semester hours required for the major, but PHIL 40000 may not.)

**Philosophy, BA**

**Requirements**

The BA with a major in philosophy requires 24 semester hours in philosophy with at least 6 in topical studies, 6 in historical studies and 3 in logical studies. At least 12 hours must be at the 40000 level or above. An accompanying minor should be chosen in consultation with the adviser for the Department of Philosophy.

PHIL 10003 must be completed prior to taking 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 is 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 (p. **Error! Bookmark not defined.**) writing emphasis requirement.

**Philosophy, BS**

**Requirements**

The BS with a major in philosophy requires 30 semester hours in philosophy, including:

- 12 hours in topical studies
- 6 hours in historical studies
- 3 hours in logical studies

Twenty-one or more of the 30 semester hours should be at the 30000 level or higher. Twelve or more of the 30 semester hours should be at the 40000 level.

Also required is a minor (or major) in economics, political science (with POSC 20093 – Scope and Methods of Political Science) or a program in the College of Science and Engineering. (There is room, in principle, for other minors to count, but permission is required from the chair of the Department of Philosophy.)

**Philosophy Minor**

The minor in philosophy requires 18 semester hours in philosophy, including:

- 3 or more semester hours in Historical Studies
- 3 or more semester hours in Logical Studies
- 3 or more semester hours in Topical Studies at the 40000 level

Nine or more of the 18 semester hours must be at the 30000 level or higher.

**Philosophy Course Subcategories**

**Courses of Instruction**

PHIL 10533	Freshman Seminar in Philosophy	3
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**Topical Studies**

PHIL 10003	Philosophy One	3
PHIL 10103	Mind, Meaning and Morality	3
PHIL 10113	Mind, Meaning and Morality II	3
PHIL 20213	Philosophy and Film	3
PHIL 20303	Moral Problems	3
PHIL 20313	Death	3
PHIL 20323	Bioethics	3
PHIL 20333	Environmental Philosophy	3
PHIL 20343	Mind, Consciousness, Self	3
PHIL 20353	Philosophy of Music	3
PHIL 30003	Junior Honors Seminar	3
PHIL 30203	Metaphysics	3
PHIL 30303	Ethical Theory	3
PHIL 30323	Philosophy of Religion	3
PHIL 30343	Sex, Society, and Ethics	3
PHIL 30353	Political Philosophy	3
PHIL 30373	Existential Philosophy	3
PHIL 30383	Philosophy of Psychology	3
PHIL 30393	Philosophy of Mind	3
PHIL 30413	Introduction to Philosophy of Law	3
PHIL 30423	Introduction to Epistemology	3
PHIL 30433	Introduction to the Philosophy of Science	3
PHIL 30443	Free Will and Moral Responsibility	3
PHIL 30463	Mind, Body, Ecology	3
PHIL 30493	Philosophy of Cognitive Science	3
PHIL 30970	Philosophical Studies	1.00-20.00
PHIL 40000	Senior Honors Research Paper	1.00-20.00
PHIL 40203	Seminar in Metaphysics	3
PHIL 40303	Seminar in Value Theory	3
PHIL 40323	Advanced Issues in Philosophy of Science	3
PHIL 40333	Philosophy of Law and Economics	3
PHIL 40343	Advanced Issues in Philosophy of Law	3
PHIL 40353	Seminar in Political Philosophy	3
PHIL 40363	Moral Psychology	3
PHIL 40373	Art and the Aesthetic	3
PHIL 40383	Advanced Topics in Human Nature	3
PHIL 40403	Advanced Issues in Epistemology	3
PHIL 50970	Directed Studies in Philosophy	1.00-20.00

**Historical Studies**

PHIL 30333	Asian Philosophies	3
PHIL 40213	Ancient Greek Philosophy	3
PHIL 40220	20th Century Philosophy	1-6
PHIL 40223	History of Modern Philosophy	3
PHIL 40233	History of Continental Philosophy in the 19th and 20th Centuries	3

PHIL 40243	Anglo-American Philosophy	3
PHIL 40253	Seminar in History of Philosophy	3
PHIL 40263	Socrates and the Socratic Tradition	3

### Logical Studies

PHIL 20103	Critical Reasoning	3
PHIL 30133	Symbolic Logic I	3
PHIL 30143	Symbolic Logic II	3
PHIL 40103	Seminar in Logic	3

## 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 course concentration in the following seven sub-fields:

- American Politics
- Political Theory
- International Politics
- Comparative Politics
- Public Law
- Research Methods
- Public Affairs Internships

### Honors College

Political science majors seeking to achieve departmental honors must be members of the Honors College and complete the following courses:

POSC 20093  
 POSC 40001  
 POSC 40003  
 POSC 30003 (or POSC 40093)

Please note that students must complete POSC 20093 prior to enrolling in POSC 40001, which in turn must be completed prior to POSC 40003.

A suggested timeline for completing the sequence might be:

Spring of sophomore year or Fall of junior year: POSC 20093

Spring of junior year: POSC 30003 (or POSC 40093) AND POSC 40001

Fall of senior year: POSC 40003

Spring of senior year: Graduate with Departmental Honors

### Political Science Honor Society

The department sponsors the Beta Lambda Chapter of Pi Sigma Alpha, national honor society in political science. Membership requires completion of a minimum of 10 semester hours of political science (at least 6 in regular classroom courses on TCU's campus and at least 3 advanced, i.e., 30000 level or above), at least a 3.0 GPA in political science courses and at least a 3.5 GPA overall. Applicants need not be a political science major or minor. 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 must have a minimum GPA of 3.0 and must return to TCU for at least one semester after the internship. Students apply each fall, a year in advance of their internship, and must attend a non-credit preparatory seminar in the spring. Up to 15 hours of credit may be earned through this program, which is multidisciplinary and available to students in any major field.

## Political Science, BA

### Requirements

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.

In keeping with the liberal arts tradition, BA students should gain a comprehensive understanding of political science. To this end, students

pursuing the BA degree must take introductory courses in three political science subfields (choosing from American Politics, Political Theory, Comparative Politics, International Politics, Judicial Politics, Methodology). As they advance to upper-level courses, students are required to explore a breadth of topics, though they will have the opportunity to concentrate their upper-level classes in a particular subfield. Students also have the option of participating in one of several active learning experiences for class credit, including internships, Moot Court, and Model United Nations.

Students intending to do graduate work in international or comparative fields are encouraged to continue foreign language study beyond the 20000 level.

A minor is required; any minor approved for the BA degree is acceptable.

### A maximum of 6 hours from the following courses may be applied toward major requirements:

POSC 31990	International Residential Study	1.00-20.00
POSC 33023	International Organizations Research	3
POSC 34073	Moot Court	3
POSC 40003	Senior Honors in Political Science	3
POSC 40910	Washington Internships	1.00-12.00
POSC 40960	Civic Literacy Internships	3
POSC 40970	Independent Study in Political Science	1.00-20.00

Any topics courses may be repeated provided the specific subject matter changes. The three-hour seminar taken in conjunction with the Washington Center Internship Program may be counted in addition to six hours of internship.

### Specific requirements are as follows: Political Science BA, 30 hours

#### 1. Any 3 of the following classes: 9 hours

POSC 10133	American and Texas Government	3
POSC 20093	Scope and Methods of Political Science	3
POSC 20123	Introduction to American Politics	3
POSC 20203	Introduction to Political Theory	3
POSC 20303	International Politics	3
POSC 20403	Introduction to Public Law	3
POSC 20503	Introduction to Comparative Politics	3

*Students cannot receive credit for both POSC 10133 and 20123.*

#### 2. POSC 32xx3 (Upper-level political theory) or POSC 39xx3 (Upper-level methods): 3 hours\*

#### 3. Five 30000-level or above course: 15 hours\*

#### 4. Any Political science course (an elective): 3 hours

\*The requirements in 2 and 3 must come from at least 3 different subfields of political science.

## Political Science, BS

### Requirements

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 as well as 2 associated credits described below.

Students pursuing the BS degree are able to focus their studies in one of the primary subfields of political science by concentrating their classes in American Politics, Political Theory, Comparative Politics, International Politics, or Judicial Politics. Classes in each of these areas are offered at both the lower and upper levels. Students also have the option of participating in one of several active learning experiences for class credit, including internships, Moot Court, and Model United Nations.



Students intending to do graduate work in the social sciences or business are encouraged to pursue the BS degree. This program also is recommended for students wishing to work in government or politics.

Students intending to do graduate work in international or comparative fields are encouraged to study relevant foreign languages.

A minor is required; any minor approved for the BS degree is acceptable.

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.

**A maximum of 6 hours from the following courses may be applied toward major requirements:**

POSC 31990	International Residential Study	1.00-20.00
POSC 33023	International Organizations Research	3
POSC 34073	Moot Court	3
POSC 40003	Senior Honors in Political Science	3
POSC 40910	Washington Internships	1.00-12.00
POSC 40960	Civic Literacy Internships	3
POSC 40970	Independent Study in Political Science	1.00-20.00

Any topics courses may be repeated provided the specific subject matter changes. The three-hour seminar taken in conjunction with the Washington Center Internship Program may be counted in addition to six hours of internship.

**Specific requirements are as follows: Political Science BS, 30 hours**

**1. 3 hours of:**

POSC 20093	Scope and Methods of Political Science	3
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**2. Two of the following: 6 hours**

POSC 10133	American and Texas Government	3
POSC 20123	Introduction to American Politics	3
POSC 20203	Introduction to Political Theory	3
POSC 20303	International Politics	3
POSC 20403	Introduction to Public Law	3
POSC 20503	Introduction to Comparative Politics	3

*Students cannot receive credit for both POSC 10133 and 20123.*

**3. POSC 39xx9 (Political Science Methods): 3 hours**

**4. Any five 30000-level or above courses: 15 hours**

**5. Any Political Science course (an elective): 3 hours**

**6. Associated Requirements: 6 hours total, including 3 hours of:**

ECON 10233	Introductory Macroeconomics	3
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**One of the following: 3 hours**

MATH 10283	Applied Calculus	3
MATH 10043	Elementary Statistics	3
MATH 10524	Calculus I	4
INSC 20153	Statistical Analysis	3

(A grade of "C-" or better is required in each of the associated requirements)

## 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 POSC 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 interested in teaching political science/government at the secondary or middle school level must acquire a secondary and middle school social studies certificate. Interested students should consult with an adviser in the College of Education regarding specific certification requirements.

## Political Science Course Subcategories

### Political Science as a Discipline

POSC 10093	Introduction to Political Science	3
POSC 10433	Freshman Seminar in Political Science	3
POSC 30003	Honors in Political Science	3
POSC 40001	Research Tutorial	1
POSC 40003	Senior Honors in Political Science	3
POSC 40093	Distinction Program Capstone Course	3

### American Government and Politics

POSC 10133	American and Texas Government	3
POSC 20123	Introduction to American Politics	3
POSC 20144	Practicing American and Texas Politics	4
POSC 31003	Topics in American Politics	3
POSC 31113	Campaigns and Elections	3
POSC 31123	Public Opinion	3
POSC 31143	Political Psychology	3
POSC 31213	Congress	3
POSC 31223	Presidential Leadership	3
POSC 31323	Media and Politics	3
POSC 31233	Congress and the Presidents	3
POSC 31313	Parties and Interest Groups	3
POSC 31413	Public Policy	3
POSC 31423	Health Care Policy	3
POSC 31443	Human Trafficking in the United States: Public Policy and Political Discourse	3
POSC 31513	Gender and American Politics	3
POSC 31523	The Civil Rights Movement in America	3
POSC 31533	American Identity Politics	3
POSC 31613	Texas Politics in Comparative Perspective	3
POSC 31623	Urban Politics	3
POSC 31713	Controversies in US Politics	3
POSC 31803	Transnational Human Trafficking	3
POSC 31903	U.S. Intelligence Bureaucracy	3

### Political Theory

POSC 20203	Introduction to Political Theory	3
POSC 32003	Topics in Political Theory	3
POSC 32013	Western Political Thought: Renaissance to the Age of Ideology	3
POSC 32023	Distributive Justice	3
POSC 32033	Applied Ethics	3

POSC 32043	Justice	3	POSC 35603	Japanese Politics and Society Through Film	3
POSC 32053	Global Justice	3	POSC 35613	The Politics of Japan	3
POSC 32063	Democratic Theory	3	POSC 35623	Politics of China	3
POSC 32073	History of Political Violence	3	POSC 35633	Contemporary Issues in China	3
POSC 32083	Comparative Political Theory	3	POSC 35643	Entrepreneurship in China	3
POSC 32113	Ancient and Medieval Political Thought	3	POSC 35703	Politics of Western Europe	3

### International Politics

POSC 20303	International Politics	3
POSC 33003	Topics in International Politics	3
POSC 33013	United Nations Institutions and Processes	3
POSC 33023	International Organizations Research	3
POSC 33033	Conflict and Negotiation	3
POSC 33103	Feminist International Relations Theory	3
POSC 33113	Globalization and Political Economy	3
POSC 33123	Globalization	3
POSC 33133	Energy and Global Geostrategy	3
POSC 33203	Political Economy of Human Trafficking	3
POSC 33503	Contemporary U.S. Foreign Policy	3
POSC 33513	United States Foreign Policy Making	3
POSC 33523	U.S. Foreign Policy in Film	3
POSC 33533	International Humanitarian Intervention	3
POSC 33603	International Relations of East Asia	3
POSC 33613	The International Relations of Japan	3
POSC 33623	Chinese Foreign Policy	3
POSC 33633	Russian Foreign Policy	3
POSC 33703	Mideast Conflicts	3

### Public Law

POSC 20403	Introduction to Public Law	3
POSC 34003	Topics in Public Law	3
POSC 34013	Constitutional Law: Powers	3
POSC 34023	Due Process in the Criminal Courts	3
POSC 34033	Constitutional Law: Amendment One	3
POSC 34043	Equality Under the Law	3
POSC 34053	Comparative Judicial Politics	3
POSC 34063	International Human Rights and Humanitarian Law	3
POSC 34073	Moot Court	3
POSC 34083	Constitutional Law: Rights and Liberties	3
POSC 34093	Judicial Politics	3

### Comparative Politics

POSC 20503	Introduction to Comparative Politics	3
POSC 35003	Topics in Comparative Politics	3
POSC 35013	Comparative Democratic Systems	3
POSC 35023	Comparative Social Movements	3
POSC 35033	Islam and Politics	3
POSC 35043	Politics of Developing Nations	3
POSC 35503	The Politics and the Culture of the Middle East and North Africa	3

POSC 35703	Politics of the European Union	3
POSC 35713	Politics of the European Union	3
POSC 35723	Political Life in Central Europe	3
POSC 35803	Latin America: The Challenge of Democratic Consolidation	3

### Political Science Methodology

POSC 20093	Scope and Methods of Political Science	3
POSC 39003	Topics in Political Science Methods	3
POSC 39013	Survey Research	3
POSC 39023	Game Theory in International Relations	3
POSC 39033	Foreign Policy Analysis	3
POSC 39043	Case Study Research	3
POSC 39053	Experimental Methods in Political Science	3
POSC 39063	Interviews and Ethnography in Political Science	3

### Internship and Independent Study

POSC 40910	Washington Internships	1.00-12.00
POSC 40950	Internship in Political Science	1.00-3.00
POSC 40960	Civic Literacy Internships	3
POSC 40970	Independent Study in Political Science	1.00-20.00

## Religion

Religion is available as a major on the BA degree and as a minor on the BA, BS and BBA degrees.

Committed to the liberal arts and its diverse disciplinary perspectives, the Religion Department fosters an inquiring, critical, and intersectional approach to the study of religion, enabling students to become informed and engaged interpreters of religious communities, texts, ideas, artifacts, and practices in their cultural and historical contexts. The Department supports the ethical and global aims of the University's mission in its commitment to prioritize diversity, equity, and inclusion and aims to equip students to understand different worldviews expressed in and beyond the world's religions.

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 College

Religion majors who plan to pursue Departmental Honors must be members of the Honors College 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, BA

### 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).

1. A three-hour capstone Seminar - RELI 40603 or, if pursuing departmental honors, RELI 30003
2. 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	3
RELI 20523	Sophomore Seminar: Finding the Founders: Lives of Confucius, the Buddha, and Jesus	3
RELI 20703	Leadership in Ministry	3
RELI 30163	Women and Early Christianity	3
RELI 30323	Christian Tradition: Emergence to the Renaissance	3
RELI 30333	Christian Tradition: Reformation to Modernity	3
RELI 30413	Contemporary Catholicism	3
RELI 30453	Sects and Cults in American Religion	3
RELI 30513	Hindu Religious Perspectives	3
RELI 30523	East Asian Religious Perspectives	3
RELI 30533	Buddhism: Thought and Practice	3
RELI 30543	Islam	3
RELI 30553	African Religions	3
RELI 30563	Judaism	3
RELI 30593	Catholicism Across The Globe	3
RELI 30663	Modern Islam	3

RELI 30693	Native Americans, Religion, and Contemporary Issues	3
RELI 30793	Indian Mystical Traditions	3
RELI 40313	The History of Religion in America	3

### Texts and Ideas

RELI 10033	Understanding Religion: Texts and Ideas	3
RELI 20003	New Testament Greek	3
RELI 20123	New Testament Literature and Life	3
RELI 20443	Faith and Ethical Leadership	3
RELI 20643	Sophomore Seminar: Thinking About Christian Faith	3
RELI 20903	Sophomore Seminar: Religion and Literature	3
RELI 30113	Jesus and the Gospels	3
RELI 30123	Paul and the Early Church	3
RELI 30133	Religion and the Search for Meaning in the Old Testament	3
RELI 30143	Unlocking the Mysteries of the Dead Sea Scrolls	3
RELI 30153	How to Read the Bible: Story and Politics	3
RELI 30183	Revelation and Rhetoric: Biblical Prophets and Prophecy	3
RELI 30303	Christian Ethics	3
RELI 30473	Womanist Religious Thought	3
RELI 30633	Philosophy of Religion	3
RELI 30643	God in Modern Thought	3
RELI 30733	Mysticism	3
RELI 30753	The Many Faces of Krishna	3
RELI 30813	Black Religion and Black Literature	3
RELI 30823	Jesus in Fiction and Film	3
RELI 30833	Theology and Literature	3
RELI 40130	Issues in Biblical Interpretation	3
RELI 50130	Seminar in Biblical Studies	1.00-6.00

### Society and Culture

RELI 10043	Understanding Religion: Society and Culture	3
RELI 20203	The Art and Science of Human Flourishing	3
RELI 20503	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 20513	Africa and the African Diaspora: History, Religion, and Culture	3
RELI 20533	Sophomore Seminar: Life After Death, Comparative Perspectives	3
RELI 20543	Sophomore Seminar: Exploring Interreligious Studies	3
RELI 20573	Defining the Nation: China and India in Crisis	3
RELI 30343	Black Religion in United States	3
RELI 30353	The History of Evangelicalism in the US	3
RELI 30433	Women Influencers Asian Religions	3
RELI 30463	Being Latina/o and Religious in the U.S.	3

RELI 30483	Digital Religion: God, the Soul and Morality after the Digital Revolution	3
RELI 30493	Latina/o Religion, Law and Identity	3
RELI 30573	Religion and Goddess Traditions of India	3
RELI 30583	Religion, Money, and Value(s)	3
RELI 30673	Anthropology and Religion	3
RELI 30683	Sociology of Religion	3
RELI 30723	Religion and Science	3
RELI 30743	Religion and Art: Making Meaning	3
RELI 30763	Archaeology of the Biblical World: Syria-Palestine and TransJordan, 1550-332 BCE	3
RELI 30783	Religion and Environmental Ethics	3
RELI 30803	Religion and News Media	3
RELI 30843	Latina Feminist Religious Thought	3
RELI 30853	Women in American Religion	3
RELI 30863	Religion and Violence	3
RELI 30873	Islam in America	3
RELI 30883	Rastafari and Reggae in Global Contexts	3
RELI 40143	Love and Sex in the Biblical World	3
RELI 40213	Religion, Art and Postmodernism: The Death of God and the End of Art	3
RELI 40613	Constructive Global Ethics	3
RELI 40713	Women, Race and Earth: Environmental Justice	3
RELI 40733	Church and State Relations in America	3

### Other

RELI	International Residential Study	1-20
RELI 30003	Honors Seminar in Religion	3
RELI 40603	Senior Seminar	3
RELI 30970	Directed Study: Religion	1.00-6.00
RELI 30993	Experimental Course in Religion	3
RELI 40003	Senior Honors Research Paper	3
RELI 40700	Religion in Geographical Context	1.00-6.00
RELI 40900	Projects in Religion	1.00-20.00
RELI 50970	Directed Study in Religion	1.00-20.00

## Sociology

Sociology is available as a major on the BA and BS degrees and as a minor on both the BA and BS degrees.

### CLEP

The Department of Sociology and Anthropology 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 College

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

### Sociology Honor Society

The department sponsors Lambda Chapter of Alpha Kappa Delta, International Sociology Honor Society.

## Sociology, BA

### Requirements

**The BA with a major in sociology requires 27 semester hours in sociology, including**

SOCI 20213	Introductory Sociology	3
SOCI 30383	Research Methods in Sociology	3
SOCI 30833	Sociological Theory	3

Students must achieve a minimum 2.0 GPA in all sociology letter-grade courses taken for the major.

### Associated requirement:

MATH 10043	Elementary Statistics	3
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To be taken within the first nine hours of sociology coursework.

Any approved field may be selected as a minor.

## Sociology, BS

The BS with a major in sociology requires 33 semester hours in sociology, including SOCI 20213, SOCI 30383, SOCI 30833 and SOCI 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)

SOCI 20213	Introductory Sociology	3
SOCI 30383	Research Methods in Sociology	3
SOCI 30833	Sociological Theory	3
SOCI 40383	Topics in Applied Social Research	3

#### II. Area Requirements (12 hours)

##### Intersections: 3 hours from the following:

Race, age, gender and/or ethnicity-related courses.

SOCI 30343	Sociology of Race and Racism	3
SOCI 30453	Political Sociology	3
SOCI 30693	Aging & the Life Course	3
SOCI 30743	Gender and Society	3
SOCI 30773	Sex, Society, and Ethics	3
SOCI 30843	Gender Politics: International Perspectives	3
SOCI 40803	Social Inequality	3

Or other departmentally approved courses.

##### Application and Experience: 6 hours from the following:

SOCI 20223	Social Problems	3
SOCI 30213	Applied Sociology	3
SOCI 30233	Sustainability: Environmental, Social & Economic Issues	3
SOCI 20990	International Residential Study	1.00-20.00
SOCI 30403	Perspectives on Human-Animal Relationships	3

SOCI 30903	Law and Society	3
SOCI 30990	International Residential Study	1.00-20.00
SOCI 30253	Environmental Sociology	3
SOCI 30583	Technology, Social Media and Society	3
SOCI 32990	International Residential Study	1.00-20.00
SOCI 40303	Animals, Culture and Society	3
SOCI 40373	Social Psychology: Sociological Approaches	3
SOCI 40523	Health, Illness and Medicine	3
SOCI 40623	Sociology Internship in Public and Non-Profit Agencies	3
SOCI 40813	Work and Society	3

Or other departmental study abroad offerings.

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 30323	Cultural Criminology	3
SOCI 30423	Media, Self and Society	3
SOCI 30463	Popular Culture	3
SOCI 30483	Death and Dying: Sociological Viewpoints	3
SOCI 30523	Self and Society Through Film	3
SOCI 30543	Unveiled: The Sociology of Weddings	3
SOCI 30653	Sociology of Food	3
SOCI 30783	Sociology of the Body	3
SOCI 36743	Conformity and Rebellion	3
SOCI 40443	Media Images of Drug and Alcohol Abuse	3

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**

**Requirements**

**Sociology teacher certification requires 24 semester hours, including**

SOCI 20213	Introductory Sociology	3
SOCI 30383	Research Methods in Sociology	3
SOCI 30833	Sociological Theory	3

**Spanish and Hispanic Studies**

Spanish and Hispanic Studies is available as a major and a minor on the BA degree.

**Placement**

Students have several options for finding the appropriate level to start their language studies at TCU. Various means of determining proper placement, as well as obtaining credit for previous language study, are outlined below.

1. To determine proper placement level, students should consult the level descriptions on the department's website and take the CAPE

examination. Details concerning the CAPE placement exam are provided to incoming students prior to orientation and registration. To access, click on the CAPE (link) which will lead you to a page where you will register and create an account to gain access to the exam.

2. 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
		4	10103, 10203, 20103, 20203
		5	10103, 10203, 20103, 20203

- By entering at an appropriate level in accordance with the guidelines provided below. (For details, please consult the department web site at [www.Span.tcu.edu](http://www.Span.tcu.edu). 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.

This is also the entry point into the Spanish major.

SPAN 20203: for students who have a good grasp of Spanish grammar but are not quite ready for advanced language courses.

SPAN 30503, SPAN 30603, or SPAN 31703 (for Heritage Speakers): 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, 3 semester hours credit will also be awarded for the first-semester course. That is, the student will earn 6 hours of credits for taking a 3-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, 6 semester hours credit will also be awarded for the first- and second-semester courses. That is, the student will earn 9 hours of credits for taking a 3-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, 9 semester hours credit will also be awarded for the first-, second- and third-semester courses. That is, the student will earn 12 hours of credits for taking a 3-credit course.
- If the first foreign language class is above SPAN 20203 and a grade of "B-" or higher is earned, 9 semester hours credit will also be awarded for the second-, third- and fourth-semester courses. That is, the student will earn 12 hours of credits for taking a 3-credit course.

*Notes: Spanish for Beginners 1 is 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.*

**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 and Hispanic Studies, BA**

The BA with a major in Spanish & Hispanic Studies consists of 33 credit hours including an initial 6 semester hours in Intermediate Spanish courses and an additional 27 semester hours, in consultation with a faculty adviser in the Department of Spanish & Hispanic Studies, in one of the following three tracks: Track One: Spanish; Track two: Spanish for the Professions; Track Three: Latin American Studies.

**Track One: Spanish**

Spanish explores the cultural and literary production of the Iberian Peninsula and Latin America while developing students' linguistics knowledge and cultivating their critical perspectives as responsible global citizens.

**Track two: Spanish for the Professions**

Spanish for the Professions integrates students' professional knowledge with their target language skills to foster their intercultural communication and leadership abilities as responsible global citizens.

**Track Three: Latin American Studies**

Latin American Studies critically examines the societies of Latin America, including Brazil, through a wide range of literary and non-literary texts. The program exposes students to diversity of thought and beliefs within divergent cultural paradigms.

**Regarding all three tracks:****Native speakers and heritage speakers**

No credit given to native speakers for 20000-level Spanish; heritage speakers may only receive credit with permission of the department chair. A native speaker is considered to be someone who completed his or her primary or secondary education in a Spanish-speaking country. A heritage speaker is someone who was primarily educated in U.S. schools but who speaks Spanish in the home and with friends and co-workers. Native speakers and heritage speakers not eligible to take these courses must take additional upper-level Spanish electives instead unless these credits are awarded as transfer credit or Advanced Placement Credit.

Native speakers will not receive credit for SPAN 30503, SPAN 30603, and SPAN 31703 unless special permission is granted by department chair. Heritage speakers are encouraged to take SPAN 31703. Non-heritage speakers should not take SPAN 31703.

Native speakers and heritage speakers not eligible to take these courses must take additional upper-level Spanish electives instead.

**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 and Hispanic Studies. In addition to enormous improvement in speaking ability, the international experience will enhance career opportunities and cross-cultural competence. To receive credit, the student must meet with the Spanish and Hispanic Studies study abroad adviser as well as the TCU Global prior to departure to obtain approval for coursework abroad.

**Co-curricular Engagement and Internships**

Students are encouraged to contact the Department of Spanish and Hispanic Studies for information about

off-campus cultural resources. Students interested in doing an internship should read the department's internship policy at <http://span.tcu.edu/internship.asp>.

**Required courses for all three tracks:****One of the following:**

SPAN 20203	Intermediate Spanish 2	3
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OR

SPAN 20213	Intensive Intermediate Spanish 2	3
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**One of the following:**

SPAN 20103	Intermediate Spanish 1	3
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OR

SPAN 20113	Intensive Intermediate Spanish 1	3
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**Track 1: Spanish****Required Courses:**

6 credits of Intermediate Spanish (explained above)

**Two of the following (2):**

SPAN 30503	Advanced Spanish: Personal to Public	3
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SPAN 30603	Advanced Spanish: From Local to Global	3
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SPAN 31703	Spanish for Heritage Speakers	3
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**Also Required:**

SPAN 43203	Senior Seminar	3
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**Also Required:**

SPAN 30803	Introduction to Literature	3
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**One of the following:**

SPAN 32003	Culture of Spain	3
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SPAN 32103	Culture of Latin America	3
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SPAN 32203	Popular Cultures of Spanish-speaking Countries	3
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SPAN 33103	Culture of Brazil	3
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**Four upper-level Spanish electives, one of which must be a 40000-level literature course or a 40000-level Cultural Studies course**

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

One SPAN-designated course taught in English and taken on the TCU campus may be applied towards the major requirements.

SPAN 43103 Senior Honors Thesis may be used as an elective, but honors students must still take a 40000-level literature course or a 40000-level Cultural Studies course.

**Track 2: Spanish for the Professions****Required Courses:**

6 credits of Intermediate Spanish (explained above)

**Two of the following (2):**

SPAN 30503	Advanced Spanish: Personal to Public	3
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SPAN 30603	Advanced Spanish: From Local to Global	3
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SPAN 31703	Spanish for Heritage Speakers	3
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**Also Required:**

SPAN 30803	Introduction to Literature	3
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**One of the following:**

SPAN 32003	Culture of Spain	3
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SPAN 32103	Culture of Latin America	3
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SPAN 32203	Popular Cultures of Spanish-speaking Countries	3
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SPAN 33103 Culture of Brazil 3

**One of the following:**

SPAN 31503 Spanish for Health Professions I 3

SPAN 31603 Spanish for Business Professions I 3

**One of the following:**

SPAN 42503 Spanish for the Health Professions 2 3

SPAN 42603 Spanish for Business Professions 2 3

**Two upper-level Spanish electives, one of which must be 4000-level literature course or a 4000-level Cultural Studies course**

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

One SPAN-designated course taught in English and taken on the TCU campus may be applied towards the major requirements.

SPAN 43103 Senior Honors Thesis may be used as an elective, but honors students must still take a 4000-level literature course or a 4000-level Cultural Studies course.

**Also Required:**

SPAN 43203 Senior Seminar 3

**Track:3 Latin American Studies (LAST)**

**Required Courses:**

6 credits of Intermediate Spanish (explained above)

**Also Required:**

PORT 20503 Portuguese for Spanish Speakers 3

PORT 30503 Advanced Brazilian Portuguese 3

**One of the following:**

SPAN 30503 Advanced Spanish: Personal to Public 3

SPAN 30603 Advanced Spanish: From Local to Global 3

SPAN 31703 Spanish for Heritage Speakers 3

**Two of the following:**

SPAN 32003 Culture of Spain 3

SPAN 32103 Culture of Latin America 3

SPAN 32203 Popular Cultures of Spanish-speaking Countries 3

SPAN 33103 Culture of Brazil 3

SPAN 30803 Introduction to Literature 3

SPAN 32403 Cinema of Latin America 3

**One Upper-level elective (3 credit hours) in Spanish**

**Three upper-level electives (9 credit hours) from the Course List below**

**Course List**

The following courses may count toward the LAST track when the topic of the course focuses on Latin America

Courses taught outside the Department of Spanish and Hispanic Studies

ANTH 30333 Mexican American Culture 3

ANTH 30433 Mexican-American Folklore: Traditions of La Raza 3

ANTH 30673 Anthropology and Religion 3

ANTH 30723 Ethnology of Selected Areas 3

ARHI 30143 Inka and Their Predecessors: Ancient South American Art 3

ARHI 30153 The Aztec, Maya, Olmec 3

ARHI 30163 Maya Art and Architecture 3

ECON 30433 Development Studies 3

ECON 30463 Latin American Economics 3

ENGL 30703 Contemporary Latinx Literature 3

ENGL 30713 Mexican American Culture 3

GEOG 30503 Topics in Regional Geography 3

GEOG 30523 Geography of Latin America 3

GEOG 40010 Field Studies in Geography 1.00-6.00

HIST 30903 Indigenous Movements in Latin America 3

HIST 30913 History of Central America 3

HIST 30923 The United States and Latin America 3

HIST 30933 Revolution in Latin America 3

HIST 30943 The Spanish Borderlands 3

HIST 30953 History of Argentina and Chile 3

HIST 30963 History of Brazil 3

HIST 30973 Biography in Latin American History 3

HIST 30983 Aztecs, Incas, and Mayas: The Indians of Middle and South America 3

HIST 30993 History of Mexico 3

HIST 40713 Indians of the Greater Southwest 3

HIST 40743 History of Texas 3

HIST 41903 History of Cuba 3

HIST 41913 Afro-Latin America 3

NURS 30063 Global Perspectives in Health 3

POSC 31543 The Chicano/a Movement, Latino/a Politics, and Immigration Rights 3

POSC 35003 Topics in Comparative Politics 3

POSC 35803 Latin America: The Challenge of Democratic Consolidation 3

RELI 30463 Being Latina/o and Religious in the U.S. 3

RELI 30493 Latina/o Religion, Law and Identity 3

RELI 30843 Latina Feminist Religious Thought 3

RELI 30673 Anthropology and Religion 3

**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 and Hispanic Studies. In addition to enormous improvement in speaking ability, the international experience will enhance career opportunities and cross-cultural competence. Fifteen credits of the Spanish and Hispanic Studies major may be earned in study abroad programs. If the student earns 6 of those credits while on a TCU-sponsored summer program, then the student may still apply 9 credits to the major from a semester-long program.

For students in a yearlong program, 21 credits of the Spanish and Hispanic Studies major may be earned in study abroad. If the student earns 6 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.

To receive credit, the student must meet with the Spanish and Hispanic Studies study abroad adviser as well as the Center for International Studies prior to departure to obtain approval for coursework abroad to transfer to TCU.

## Spanish and Hispanic Studies Minor Programs

The Department of Spanish and Hispanic Studies offers three minor programs: the Spanish and Hispanic Studies minor, Spanish for Health Professions (SHP) and Spanish for Business Professions (SBP). Students must choose one of the three, and none is available to those whose major is Spanish and Hispanic Studies.

No credit given to native speakers for 20000-level Spanish; heritage speakers may only receive credit with permission of the department chair. A native speaker is considered to be someone who completed his or her primary and secondary education in a Spanish-speaking country. A heritage speaker is someone who was primarily educated in U.S. schools but who speaks Spanish in the home and with friends and co-workers. Native speakers and heritage speakers not eligible to take these courses must take additional upper-level Spanish electives instead unless these credits are awarded as transfer credit or Advanced Placement Credit.

Native speakers will not receive credit for SPAN 30503, 30603, and 31703 unless special permission is granted by department chair. Heritage speakers are encouraged to take SPAN 31703. Non-heritage speakers should not take SPAN 31703.

## Spanish and Hispanic Studies Minor

**The Spanish and Hispanic Studies minor consists of 21 credits at the 20103 level or above.**

Any course taught in Spanish at the 30000 or 40000 level may be taken as an elective.

No course taught in English may be taken to fulfill the minor requirements.

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

### Policy on Grades

Courses taken pass/no-credit and courses in which the student earns below a "C-" will not count toward the Spanish and Hispanic Studies minor.

### Study Abroad

Study abroad is strongly recommended for all majors of Spanish and Hispanic Studies. In addition to enormous improvement in speaking ability, the international experience will enhance career opportunities and cross-cultural competence. To receive credit, the student must meet with the Spanish and Hispanic Studies study abroad adviser as well as the TCU Global prior to departure to obtain approval for coursework abroad.

No course taught in English may be taken to fulfill the minor requirements

## Spanish for Health Professions Minor

The minor in Spanish for Health Professions (SHP) is designed to provide students (especially those in nursing) the ability to communicate in Spanish in the area of health care. The minor engages the student with the necessary mechanics of the language and propels him or her into two courses designed especially for students in the health professions. Opportunities are offered for electives to boost oral communication and knowledge of Spanish-speaking communities in the United States and beyond. Options also are available for off-campus service learning and study abroad.

**The minor in Spanish for Health Professions consists of 21 credits at the 20103 level and above. Two courses are required:**

SPAN 31503	Spanish for Health Professions I	3
SPAN 42503	Spanish for the Health Professions 2	3

Any course taught in Spanish at the 30000 or 40000 level may be taken as an elective.

No course taught in English may be taken to fulfill the minor requirement

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

### Policy on Grades

Courses taken pass/no-credit and courses in which the student earns below a "C-" will not count toward the Spanish for the Health Professions minor.

### Study Abroad

Study abroad is strongly recommended for all majors of Spanish and Hispanic Studies. In addition to enormous improvement in speaking ability, the international experience will enhance career opportunities and cross-cultural competence. To receive credit, the student must meet with the Spanish and Hispanic Studies study abroad adviser as well as the TCU Global prior to departure to obtain approval for coursework abroad.

### Suggested Course Sequence

#### First-year

##### Fall

SPAN 20103	Intermediate Spanish 1	3
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##### Spring

SPAN 20203	Intermediate Spanish 2	3
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#### Sophomore year

##### Fall

Elective

##### Spring

Elective

#### Junior year

##### Fall

SPAN 31503	Spanish for Health Professions I	3
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##### Spring

SPAN 42503	Spanish for the Health Professions 2	3
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#### Senior year

##### Fall

Elective

**Students with no previous knowledge of Spanish are strongly encouraged to enroll in the eight-week intensive grammar series:**

First-year

##### Fall

SPAN 20103	Intermediate Spanish 1	3
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##### Spring

SPAN 20203	Intermediate Spanish 2	3
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##### Fall

First-year



SPAN 10113	Intensive Spanish for Beginners 1	3
SPAN 10213	Intensive Spanish for Beginners 2	3

**Spring**

SPAN 20113	Intensive Intermediate Spanish 1	3
SPAN 20213	Intensive Intermediate Spanish 2	3

No course taught in English may be taken to fulfill the minor requirement

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

## Spanish for Business Professions Minor

The minor in Spanish for Business Professions (SBP) is designed to provide students the ability to communicate in Spanish in the area of business. The minor engages the student with the necessary mechanics of the language and propels him or her into two courses designed especially for students in the business professions. Options are available for off-campus service learning and study abroad.

**Policy on Grades**

Courses taken pass/no-credit and courses in which the student earns below a "C-" will not count toward the SBP minor.

**Study Abroad**

Study abroad is strongly recommended for all majors of Spanish and Hispanic Studies. In addition to enormous improvement in speaking ability, the international experience will enhance career opportunities and cross-cultural competence. To receive credit, the student must meet with the Spanish and Hispanic Studies study abroad adviser as well as the TCU Global prior to departure to obtain approval for coursework abroad.

**The SBP minor consists of 21 credits at the 20103 level and above. The following courses are required:**

SPAN 31603	Spanish for Business Professions 1	3
SPAN 42603	Spanish for Business Professions 2	3

Any course taught in Spanish at the 30000 or 40000 level may be taken as an elective.

No course taught in English may be taken to fulfill the minor requirements

PORT 20503 Portuguese for Spanish Speakers may be taken to fulfill one of the electives.

**Suggested Course Sequence**

**First-year**

**Fall**

SPAN 20103	Intermediate Spanish 1	3
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**Spring**

SPAN 20203	Intermediate Spanish 2	3
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**Sophomore year**

**Fall**

Elective

**Spring**

Elective

**Junior year**

**Fall**

SPAN 31603	Spanish for Business Professions 1	3
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**Spring**

SPAN 42603	Spanish for Business Professions 2	3
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**Senior year**

**Fall**

Elective

**Students with no previous knowledge of Spanish are strongly encouraged to enroll in the eight-week intensive grammar series:**

**First-year**

**Fall**

SPAN 10113	Intensive Spanish for Beginners 1	3
SPAN 10213	Intensive Spanish for Beginners 2	3

**Spring**

SPAN 20113	Intensive Intermediate Spanish 1	3
SPAN 20213	Intensive Intermediate Spanish 2	3

## Spanish Secondary Teacher Certification

Students seeking certification for teaching in Spanish at the secondary school level should be advised by the academic adviser of the College of Education. Students need 33 semester hours in Spanish and the education courses required to complete a double major in Spanish and Educational Studies with certification. See [www.catalog.tcu.edu/undergraduate](http://www.catalog.tcu.edu/undergraduate). Students seeking Spanish teaching certification (elementary through high school) must successfully complete the Languages Other Than English (LOTE) Spanish certification exam. Candidates seeking Spanish certification must also successfully complete the Pedagogy and Professional Responsibilities EC-12 exam.

Individuals seeking teaching certification with an EC-6 bilingual specialization must successfully complete the Bilingual Target Language Proficiency Test (BTLPT) in order to be awarded a Bilingual Supplemental Teaching Certificate. EC-6 bilingual certification candidates must also successfully complete the EC-6 Generalist and the Pedagogy and Professional Responsibilities state examinations. Students seeking bilingual teaching certificate must submit a language assessment from the Department of Spanish and Hispanic Studies when applying to the Teacher Education Program.

## Urban Studies

Urban Studies is an interdisciplinary program of the AddRan College of Liberal Arts. Students must complete 18 hours of credit to earn the Urban Studies minor. Course offerings are drawn from multiple disciplines across the University, including geography, history, political science, sociology, criminal justice and economics.

The Urban Studies minor is intended for any undergraduate student seeking to develop a multidisciplinary exploration of cities, looking into the organization of urban space, the varied and multiple dimensions of urban life, and the challenges presented by the rapid pace of urban change in the 21<sup>st</sup> century.

Students interested in the Urban Studies minor should contact the program adviser, Dr. Sean Crotty, at [sean.crotty@tcu.edu](mailto:sean.crotty@tcu.edu).

## Urban Studies Minor

**The urban studies minor requires 18 credit hours, selected from at least three disciplines with a maximum of 9 hours from any one discipline, to include:**

**A minimum of 6 hours to be selected from the following core courses:**

ECON 30473	Regional and Urban Economics	3
GEOG 30713	Urban Geography	3
HIST 30803	U.S. Urban History	3
POSC 31623	Urban Politics	3

**A minimum of 3 hours with a service learning, internship or independent research component. These courses should include but are not be restricted to:**

CRJU 40963	Internship in Criminology & Criminal Justice	3
GEOG 40323	Urban and Business Applications of Geographic Information Systems	3
HIST 30813	Oral History Field Research Seminar	3
POSC 40960	Civic Literacy Internships	3
SOCI 30213	Applied Sociology	3
SPAN 31803	Service-Learning in the Latino Community	3

9 additional hours of relevant coursework from the list of approved Urban Studies courses or approved by the Urban Studies adviser, to be completed subject to the distributional requirements.

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, 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	3
ANTH 30663	Food Justice	3
CRJU 30853	Multiculturalism in the Criminal Justice System	3
CRJU 30963	Japan: Environment, Technology, and Sustainability	3
ECON 30473	Regional and Urban Economics	3
ENGL 30153	Nature Writing in Nature	3
ENGL 30203		
ENGL 30693	U.S. Multi-Ethnic Literature	3
ENGL 30973		
ENGL 40553	Studies in Nineteenth-Century American Literature	3
GEOG 30313	Introduction to Geographic Information Systems	3
GEOG 30743	Applied Geography	3

GEOG 40323	Urban and Business Applications of Geographic Information Systems	3
GEOL 50523	Introduction to Geographic Information Systems	3
GRMN 20123	Topics in German Culture	3
HIST 30383		
HIST 30583	Living in London	3
HIST 30613	History of Working People in America	3
HIST 30803	U.S. Urban History	3
HIST 30813	Oral History Field Research Seminar	3
HIST 40653	Beer Drinkers, Hell Raisers, and Robber Barons: America in the Gilded Age and Progress Era	3
POSC 20144	Practicing American and Texas Politics	4
POSC 30103		
POSC 30303		
POSC 40960	Civic Literacy Internships	3
SOCI 20223	Social Problems	3
SOCI 30213	Applied Sociology	3
SOCI 30233	Sustainability: Environmental, Social & Economic Issues	3
SPAN 20403	The Hispanic City	3
SPAN 31803	Service-Learning in the Latino Community	3

## Women & Gender Studies

### Women & Gender Studies

Women and Gender Studies puts women, gender, and sexuality at the center of academic investigation. The major promotes inquiry into the intersections of gender with other identity categories; the workings of power in society; and the means of advancing social justice and equality. Through research, teaching and learning, and collaboration, the department fosters feminist and interdisciplinary analysis across social, historical, cultural and global contexts, products and practices.

Women and Gender Studies has a B.A., and B.S., as well as a minor and an emphasis.

#### Departmental Honors

Women and Gender Studies majors, minors, or emphasis students who plan to pursue departmental honors must be members of the Honors College and should contact the chair of the WGST to register for WGST 31003 (junior honors seminar) or WGST 41003 (senior honors seminar).

### Women & Gender Studies, BA

The Bachelor of Arts major in women and gender studies requires 30 semester hours of WGST -prefix and WGST-attribute courses passed with a grade of "C-" or better and a maximum of 12 hours below the 30000 level. A minor in any field is required (unless student has a second major). Reminder: A Bachelor of Arts at TCU has associated foreign language requirements

### Requirements

**Three required courses:**

WGST 20003	Introduction to Women and Gender Studies	3
WGST 30503	Foundations in Women, Gender, and Sexuality Studies	3
WGST 50103	Feminist/Queer Inquiry	3

**Two courses from the following:**

WGST 30193	Queer Theories	3
WGST 30203	Social Justice Organizing & Activism	3
WGST 30303	Feminisms of Color	3
WGST 30403	Transnational Gender & Sexuality	3

**Elective Courses (12 hours)**

Four courses from among WGST-prefix and WGST-attribute courses. Courses may not be counted in more than one category of requirements for the major. No more than two of the elective courses may be in any single discipline (excluding WGST-prefix courses).

A list of approved courses can be found on the department website and will be maintained by the department and the registrar. You may also contact WGST@tcu.edu for more information.

**Senior Capstone Project or Thesis (3 hours)**

WGST 40503	WGST Senior Capstone Project/Thesis	3
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## Women & Gender Studies, BS

The Bachelor of Science major in women and gender studies requires 33 semester hours of WGST -prefix and WGST-attribute courses passed with a grade of "C-" or better and a maximum of 12 hours below the 30000 level; and 3 credits of associated requirements. A minor in any field is required (unless student has a second major).

### Requirements

**Foundational Courses (15 hours)**

**Three required courses:**

WGST 20003	Introduction to Women and Gender Studies	3
WGST 30503	Foundations in Women, Gender, and Sexuality Studies	3
WGST 50103	Feminist/Queer Inquiry	3

**Two courses from the following:**

WGST 30193	Queer Theories	3
WGST 30303	Feminisms of Color	3
WGST 30403	Transnational Gender & Sexuality	3

**Application and Activism (12 hours)**

**Two required courses:**

WGST 30203	Social Justice Organizing & Activism	3
WGST 49003	Internship in Women and Gender Studies	3

Two courses from a pre-approved list of application and activism courses. The list of approved courses can be found on the department website and will be maintained by the department. You may also contact WGST@tcu.edu for more information.

**Elective Courses (3 hours)**

One course from among WGST-prefix and WGST-attribute undergraduate elective courses. Courses may not be counted in more than one category of requirements for the major.

A list of approved courses can be found on the department website and will be maintained by the department and the registrar. You may also contact WGST@tcu.edu for more information.

**Senior Capstone Project or Thesis (3 hours)**

WGST 40503	WGST Senior Capstone Project/Thesis	3
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**Associated Requirement (3 hours)**

Please note: as associated requirements, these courses may be used to fulfill the requirements of another major or minor.

One of the following classes in **math/statistics:**

MATH 10043	Elementary Statistics	3
MATH 30853	Statistics	3
INSC 20153	Statistical Analysis	3

## Women & Gender Studies Minor and Emphasis

The minor and the emphasis in women and gender studies are designed to provide students theoretical frameworks for recovering and analyzing gendered 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 (WGST 20003 and WGST 30503) 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 (excluding WGST prefix courses). Students who minor in women and gender studies must choose whether WGST-approved courses in their major discipline will count toward the major or the minor. No course may count for both.

**Required Courses:**

- WGST 20003 Introduction to Women and Gender Studies
- WGST 30503 Foundations in Women's, Gender, and Sexuality Studies

**A list of approved courses can be found on the department website** and will be maintained by the department and registrar. You may also contact WGST@tcu.edu for more information.

Note: No more than TWO courses from another institution may count for elective credit toward the minor.

**Students seeking the emphasis complete 15 hours:** either **WGST 20003 or WGST 30503** and a choice of four additional courses from the approved list. Emphasis students may count WGST - approved courses toward both their major and the emphasis, and may also concentrate their WGST electives in a single discipline. Emphasis students in programs requiring a minor must complete a minor in another disciplinary field.

Note: No more than ONE course from another institution may count for elective credit towards the emphasis.

## Writing

Writing is available as a major on the BA degree and a minor on both the BA and BS degrees. The English department also offers an English major and minor, a creative writing minor, optional concentrations and an Accelerated MA in English, which is open to all department majors.

### Honors College

Writing majors who plan to pursue Departmental Honors must be members of the Honors College and enroll in ENGL 30003 in the fall semester of their senior year, and ENGL 40003 in the spring semester of their senior year.

## Writing, BA

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 33 hours in writing, creative writing, or English (exclusive of ENGL 10803 and ENGL 20803). Of these, at least 24 hours must be in upper-division CRWT, WRIT, or ENGL courses (30000 level and above). No more than 9 hours of lower-division credit may be applied to the major.

All writing majors are required to take WRIT 38063 (Writing Major Seminar) after they have attained junior standing and completed 9 hours in WRIT or ENGL courses (exclusive of ENGL 10803, and ENGL 20803).

**Specific Requirements**

To earn a major in writing, students must complete at least 3 of the 33 hours in Digital Intensive courses (see subcategory for courses (p. **Error!**

**Bookmark not defined.**) or consult the department). Most of these courses can be used to satisfy one of the distribution requirements listed below in categories 1, 2, 3, 6 or 8.

1. 3 hours from the Creative Writing subcategory (p. **Error! Bookmark not defined.**)
2. 3 hours from the Rhetoric and Culture subcategory (p. **Error! Bookmark not defined.**)
3. 3 hours from the Design and Editing subcategory (p. **Error! Bookmark not defined.**)
4. 3 hours from the Internship subcategory (p. **Error! Bookmark not defined.**)
5. 3 hours of Writing Major Seminar (WRIT 38063)
6. 6 elective hours of any courses in sections 1 through 3 above (student must take two additional electives in 1 or 2 or 3)
7. 6 upper-division hours of any ENGL literary and language courses not listed above
8. 6 elective hours of any ENGL, CRWT or WRIT courses

Although they are not required, ENGL 30970 and ENGL 50970, courses in special topics that change from semester to semester, usually satisfy one or more of the above requirements for majors. Consult the department or check the department Web site, [www.addran.tcu.edu/english/](http://www.addran.tcu.edu/english/)

## Writing Minor

The minor in writing requires 18 semester hours in writing, creative writing or English (exclusive of ENGL 10803, and ENGL 20803). Of these, 12 hours must be in upper-division courses.

To earn a minor in writing, students must also complete at least 3 of the 18 hours in Digital Intensive courses (see subcategory for courses or consult the department). Most of these courses may be used to satisfy one of the distribution requirements listed below in categories 1, 2, 3 and 4. These distribution requirements apply:

1. 3 hours from the Creative Writing subcategory
2. 3 hours from the Rhetoric and Culture subcategory
3. 3 hours from the Design and Editing subcategory (p. **Error! Bookmark not defined.**)
4. 9 hours of electives from any courses listed in sections 1 through 3 above or any upper-division WRIT, CRWT or ENGL courses

## Creative Writing Minor

The minor in creative writing requires 18 semester hours in writing, creative writing or English (exclusive of ENGL 10803 and ENGL 20803). Of these, 12 hours must be in upper-division courses.

Students who major in English or writing may count no more than 6 hours of creative writing toward their major. These distribution requirements apply:

1. CRWT 10203 or CRWT 20103
2. 9 hours of upper-division creative writing courses with one at the 40000 level or higher
3. 6 hours of CRWT, ENGL, or WRIT electives

## Optional Concentrations

Students may group the coursework for their major into a concentration by taking 9 hours from one of the following lists. Courses taken for the concentration will also count toward the requirements for the major. A student may choose at most two concentrations. Independent studies and thesis coursework may not be applied toward the concentration. Students may also, with permission of their adviser and the English Department director of undergraduate studies, design their own concentration by taking 9 hours of ENGL, CRWT or WRIT courses in a single topic or field of study.

### American Studies

Select from among courses in the American Literature subcategory (p. **Error! Bookmark not defined.**)

### British Studies

Select from among courses in the British Literature subcategory (p. **Error! Bookmark not defined.**)

### Creative Writing

Select from among courses in the Creative Writing subcategory (p. **Error! Bookmark not defined.**)

### Critical Theory

Select from among courses in the Critical Theory subcategory (p. **Error! Bookmark not defined.**)

### Digital Media

Select from among courses in the Digital Media subcategory (p. **Error! Bookmark not defined.**)

### Early Literature & Culture

Select from among courses in the Early Literature and Culture subcategory (p. **Error! Bookmark not defined.**)

### Fiction Studies

Select from among courses in the Fiction Studies subcategory (p. **Error! Bookmark not defined.**)

### Film and Visual Culture

Select from among courses in the Film and Visual Culture subcategory (p. **Error! Bookmark not defined.**)

### Global and Diasporic Literature

Select from among courses in the Global and Diasporic Literature subcategory (p. **Error! Bookmark not defined.**)

### Legal Studies

Select from among courses in the Legal Studies subcategory (p. **Error! Bookmark not defined.**)

### Nonfiction Prose

Select from among courses in the Nonfiction Prose subcategory (p. **Error! Bookmark not defined.**)

### Poetry and Poetics

Select from among courses in the Poetry and Poetics subcategory (p. **Error! Bookmark not defined.**)

### Publication & Communications

Select from among courses in the Publication & Communications subcategory (p. **Error! Bookmark not defined.**)

### Race and Ethnic Studies

Select from among courses in the Race and Ethnic Studies subcategory (p. **Error! Bookmark not defined.**)

### Rhetoric & Culture

Select from among courses in the Rhetoric and Culture subcategory (p. **Error! Bookmark not defined.**)

### Women's Writing and Gender Studies

Select from among courses in the Women's Writing and Gender Studies subcategory (p. **Error! Bookmark not defined.**)

## Accelerated MA in English

For admission consideration, students must submit a graduate program application packet. The application process is selective; only students with an outstanding record and strong recommendations will be considered. If admitted, students will complete a 30-hour graduate degree plan. Students will complete up to 12 hours of graduate coursework (four graduate courses) during the last year of undergraduate study. Those 12 hours may also fulfill requirements for the BA in English or writing. Candidates must work with the graduate adviser to determine how the courses will apply to the MA degree.

At the end of a student's fourth year, assuming all other graduation requirements are met, the student earns the baccalaureate degree (in English or writing). During the fifth year, students must take an additional 18 hours to complete the Accelerated MA in English degree including 6 thesis hours.

## Writing Course Subcategories

### Creative Writing

CRWT 10203	Introduction to Creative Writing	3
CRWT 20103	Reading as a Writer	3

CRWT 20123	Travel Writing	3
CRWT 20133	Performing Identity	3
CRWT 30233	Creative Nonfiction Workshop I	3
CRWT 30343	Fiction Writing Workshop I	3
CRWT 30353	Poetry Writing Workshop I	3
CRWT 30363	Digital Creative Writing	3
CRWT 30373	Drama Writing Workshop I	3
CRWT 40133	Creative Nonfiction Workshop II	3
CRWT 40203	Fiction Writing Workshop II	3
CRWT 40213	Poetry Writing Workshop II	3
CRWT 10203	Introduction to Creative Writing	3
ENGL 50233	Studies in Creative Writing	3
ENGL 55143	History of the Language	3

**Rhetoric and Culture**

WRIT 20313	Power and Protest	3
WRIT 20333	Language, Technology, and Society	3
WRIT 30203	Urban Rhetorics	3
WRIT 30213	Advanced Composition: Writing Genres	3
WRIT 30243	Rhetorical Practices in Culture	3
WRIT 30253	Rhetorical Traditions	3
WRIT 30263	Style	3
WRIT 30273	Argument and Persuasion	3
WRIT 30283	Cyberliteracy	3
WRIT 30293	Non-Human Rhetoric and Representation	3
WRIT 30603	Rhetoric of Social Media	3
WRIT 30613	Writing Cross-cultural Differences	3
WRIT 30663	Women's Rhetorics	3
ENGL 30803	Theories of Cinema	3
WRIT 30893	Digital Inclusiveness: Cultural Identity & Authoring	3
WRIT 40253	Propaganda Analysis and Persuasion	3
WRIT 40333	Language, Rhetoric and Culture	3
WRIT 40373	The Rhetoric of Revolution	3
ENGL 50243	Teaching Writing	3
ENGL 50253	Classical Rhetoric	3
ENGL 55223	Rhetoric and Literature	3
WRIT 55173	Intersections of Literacies, Pedagogies, and Black Feminisms	3
WRIT 55243	Seminar in Rhetoric	3
WRIT 55253	Rhetorical Traditions	3
WRIT 55273	Classical Rhetoric	3
WRIT 55303	Modern Rhetoric	3
WRIT 55363	History of Rhetoric	3
WRIT 55473	Non-Human Rhetoric and Representation	3
WRIT 55483	Anti-Racist Pedagogies in Writing Studies and Rhetorical Education	3
ENGL 55613	Women's Rhetorics	3
WRIT 55763	Language and Theory	3
WRIT 55783	Seminar in Literacy	3

**Design and Editing**

WRIT 20303	Writing Games	3
WRIT 20323	Introduction to Multimedia Authoring	3
WRIT 30223	Advanced Technical Writing	3
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
WRIT 40233	Writing for Publication	3
WRIT 40243	Advanced Professional Writing	3
WRIT 40263	Multimedia Authoring: Animation and Film	3
WRIT 40283	Editing and Publishing	3
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
WRIT 40463	Multimedia Authoring: Comics Production	3
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3
WRIT 55773	Writing for the Professions	3

**Internship**

WRIT 30390	Publication Production	1.5
WRIT 40273	Writing Internship	3

**Digitally Intensive**

WRIT 20303	Writing Games	3
WRIT 20323	Introduction to Multimedia Authoring	3
WRIT 20333	Language, Technology, and Society	3
ENGL 20813	Introduction to the Digital Humanities	3
WRIT 30203	Urban Rhetorics	3
WRIT 30223	Advanced Technical Writing	3
WRIT 30283	Cyberliteracy	3
WRIT 30363	Digital Creative Writing	3
WRIT 30390	Publication Production	1.5
WRIT 40163	Multimedia Authoring: Image and Hypertext	3
WRIT 40233	Writing for Publication	3
WRIT 40243	Advanced Professional Writing	3
WRIT 40263	Multimedia Authoring: Animation and Film	3
WRIT 40283	Editing and Publishing	3
WRIT 40363	Multimedia Authoring: Mobile Apps and eBooks	3
WRIT 40463	Multimedia Authoring: Comics Production	3
WRIT 40563	Multimedia Authoring: Sound & Podcasting	3

**Literary and Language Studies**

Any upper-division ENGL course not specifically listed in another subcategory for the writing major.

**Seminars and Directed Studies**

ENGL 30003	Honors Thesis Seminar I	3
WRIT 30013	Distinction Program: Thesis I	3
ENGL 30970	Directed Studies in English	1.00-6.00
ENGL 40003	Honors Thesis Seminar II	3
WRIT 40013	Distinction Program: Thesis II	3
ENGL 50970	Directed Studies in English	1-6
WRIT 55793	Seminar in Composition	3

# Harris College of Nursing & Health Sciences

## Nursing and Health Science Program of Study

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 Nursing, the School of Nurse Anesthesia, the Davies School of Communication Sciences and Disorders, Kinesiology and Social Work – in an integrated unit. 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

**TCU Nursing is dedicated to professional nursing education based on a foundation of liberal arts, sciences, and humanities, and to the promotion of an environment that encourages lifelong learning.**

TCU Nursing further affirms to enhance the human condition by preparing graduates who think and practice as ethical leaders, and advance knowledge of health and human development within the global community. The Nursing program is designed to meet the needs of those interested in obtaining a Bachelor of Science in Nursing degree, Masters of Science in Nursing and Doctor of Nursing Practice degree, a Post-Graduate certificate, and a Post-Graduate APRN Certificate.

The Program endorses the Mission, Vision and Core Values of Texas Christian University.

### TCU Nursing Vision

To advance the health of all.

### TCU Nursing Mission

To lead nursing education, practice and scholarship.

### TCU Nursing Values

Collaboration

Human Dignity

Innovation

Integrity

Social Justice

### Harris Ambassadors

“The mission of Harris Ambassadors is to support and enhance the College’s undergraduate and graduate student experience. This is achieved by serving as official student representatives of Harris College through active participation as experience facilitators, peer advisors and student influencers.”

### Harris College Degree and Majors

Harris College of Nursing & Health Sciences offers the following degrees and majors:

- Bachelor of Science in Allied Health Sciences
- Bachelor of Science in Athletic Training (BSAT)
- Bachelor of Science in Nursing (BSN)
- Bachelor of Social Work (BSW)

- 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
  - Physical Education with Strength and Conditioning

### 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 120, specified by their majors in the following categories:

*Core Curriculum (CC): 39-63 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

To take courses at another college or university, students enrolled at TCU, must obtain preapproval for the course(s) using the *Transfer Credit Request System*. Students should seek course recommendations and guidance from department advisors prior to submitting the transfer request which is automatically routed to the department chair or director, and the Office of the Dean of Harris College. No more than 12 semester hours, except those earned in an approved study abroad program, may be transferred over from other schools, after admission to TCU. Transfer credit cannot be transferred from a community college that will interfere with the last 30 hours being taken at TCU. Students may take a course off campus during an academic semester so long as, using the *Transfer Credit Request System*, 1) it is preapproved by a department/faculty advisor, unit head and the Office of the Dean of Harris College, 2) all hours taken in that semester totals no more than 18 hours, and 3) it does not interrupt the last 30 hours being taken at TCU.

### 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 with an emphasis in Speech Pathology or Deaf and Hard of Hearing studies)
- Speech-Language Pathology (COSD)
- Health (KINE)
- Fitness (KINE)

- Interdisciplinary Healthy Aging (HCHS)
- Movement Science (KINE)
- Physical Education (KINE)
- Social Work (SOWO)

## Interdisciplinary Healthy Aging Minor Coursework

Students wishing to earn the Interdisciplinary Healthy Aging Minor are required to take 18 hours of coursework. Courses must be taken from three different departments, which may include the department of the student's major. The minor is comprised of three required courses totaling nine hours and three elective courses totaling nine hours. The required and elective courses are listed below.

### Required Courses (9 hours)

HCHS 30653	Introduction to Aging: Growing Old in an Aging Society	3
SOWO 30853	Human Behavior and Social Environment II	3
HCHS 30783	Families, Caregivers, and People Living with Dementia	3
	OR	
NURS 30433	Families, Caregivers, and People Living with Dementia	3

### Elective Courses (select 9 hours from the courses below)

HCHS 40950	Current Topics in Aging	1.00-20.00
NURS 10303	Human Development	3
PSYC 30313	Developmental Psychology	3
SOCI 30223	Contemporary Topics in Sociology	3
SOCI 30483	Death and Dying: Sociological Viewpoints	3
SOWO 40563	Grief and Loss	3
SOCI 40523	Health, Illness and Medicine	3
PSYC 50463	Functional Neuroanatomy	3
PSYC 30483	Human Neuropsychology	3
BIOL 50401	Neurobiology of Aging	1
KINE 51413	Psychology of Aging and Physical Activity	3
	For Nursing Only	
NURS 30241	Geriatric Nursing Resources I	1
NURS 30251	Geriatric Nursing Resources II	1

## HCHS Allied Health Sciences

Allied Health Science is the study of human health and the application of knowledge towards improving the health of individuals, communities, and society as it relates to the allied health professions. Allied health professionals are involved with the delivery of health or related services pertaining to the identification, evaluation and prevention of diseases and disorders; rehabilitation and health systems management, and the application of scientific principles and evidence-based practice to optimize patient or client outcomes.

The Bachelor of Science in Allied Health Sciences prepares students for a variety of Allied Health Professional careers and application to graduate programs in Allied Health disciplines. Entry-level careers associated with this degree pathway include Medical and Health Service Management, Health Information Technicians, and Occupational Health and Safety Specialist. Preparation for Allied Health graduate programs include Genetic Counseling and Epidemiology. Through emphasis tracks

students also have the option to move into majors which prepare them for further education as health and fitness professionals, speech-language pathologists, audiologists, social workers, physical therapists, and occupational therapists among others.

## B.S. in Allied Health Sciences

The BS with a major in Allied Health Sciences requires 48 hours in addition to 15-16 hours of TCU core associated requirements. Students pursuing an Allied Health elective track must complete 18 hours of Allied Health Sciences core courses, 30 hours of elective area courses, and 15 hours of TCU core associated requirements. A total of 120 credit hours are required for the degree.

All advising for the Allied Health Sciences Major will take place with the Harris Academic Resource Center (HARC).

### 1. Required Core Courses: 18 hours

HCHS 10003	Survey of Allied Health Professions	3
HCHS 20003	Global Healthcare Systems	3
HCHS 20203	Epidemiology & Biostatistics	3
HCHS 30003	Interprofessional Leadership Teams in Healthcare	3
HLTH 20203	Health and Wellness Concepts	3
HLTH 30203	Health and Stress Management	3
SOWO 40883	Diversity and Social Justice	3

### 2. Elective Courses: 30 hours, 12 of which must be from a unit in HCNHS

COMM 30313	Foundations in Health Communication	3
COSD 10303	Survey of Communication Disorders	3
COSD 10343	Basic Sign Language	3
COSD 20303	Speech and Hearing Science	3
COSD 30203	Language Development for Non Majors	3
ECON 30503	Health Economics	3
HCOM 10313	Foundations of Health Communication	3
HCOM 20313	Interpersonal Health Communication	3
HLTH 30423	Nutrition and Physical Activity	3
KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30833	Physical Activity and Disability	3
NTDT 20403	Nutrition	3
NTDT 30331	Medical Terminology	1
PHYS 30474	How the Human Body Works	4
POSC 31423	Health Care Policy	3
SOCI 20223	Social Problems	3
SOCI 30303	Marriage and the Family	3
SOWO 10833	Introduction to Social Work	3
SOWO 30523	Addictions	3
SOWO 30863	Social Welfare Policy	3
SOWO 40563	Grief and Loss	3
SOWO 40883	Diversity and Social Justice	3

### 3. Associated Requirements: 15-16 hours

BIOL 10003	Contemporary Issues in Biology	3
CHEM 10113	General Chemistry I	3
	OR	

PHYS 10154	General Physics I with Laboratory OR	4
PHYS 30474	How the Human Body Works	4
COMM 10123	Communicating Effectively	3
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology OR	3
PSYC 10514	Principles of Behavior I	4

\*Students are encouraged to consider a minor in one of the Health Sciences fields of Harris College or the Health Communication and Media Minor offered by the Schieffer College of Communication.

## Emphasis Tracks

Requires 18 hours in core Allied Health courses, 15 hours of TCU core associated requirements, and 27 to 30 hours in an Emphasis Area within HCNHS. Students changing majors from COSD, KINE, NURS, or SOWO to Allied Health Professions may count previous major courses with an earned C- or higher as electives in the Allied Health Professions major.\*

### Required Core Courses: 18 hours

HCHS 10003	Survey of Allied Health Professions	3
HLTH 20203	Health and Wellness Concepts	3
HLTH 30203	Health and Stress Management	3
NURS 10303	Human Development	3
SOWO 10833	Introduction to Social Work	3
SOWO 40883	Diversity and Social Justice	3

### COSD Speech Language Pathology: 27 hours

COSD 20303	Speech and Hearing Science	3
COSD 20333	Phonetics	3
COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
COSD 30324	Speech Sound Disorders	4
COSD 30334	Language Development in Children	4
COSD 30363	Audiology	3
COSD 30373	Language Disorders in Children	3
COSD 30524	Clinical Methods in Speech-Language Pathology	4

### COSD Deaf & Hard of Hearing Studies (DHHS): 27 or 28 hours

COSD 10343	Basic Sign Language	3
COSD 20343	Intermediate Sign Language	3
COSD 30334	Language Development in Children OR	4
COSD 30203	Language Development for Non Majors	3
COSD 30363	Audiology	3
COSD 30383	American Sign Language I	3
COSD 40323	Advanced Language Development for DHH	3
COSD 30343	Aural Rehabilitation OR	3
COSD 30353	Teaching Elementary School Subjects to DHH Children	3
COSD 40383	American Sign Language II	3

### KINE/Kinesiology Emphasis: 30 hours

HLTH 30423	Nutrition and Physical Activity	3
HLTH 40203	Study of Human Disease	3
KINE 10603	Anatomical Kinesiology	3
KINE 20313	Foundations of Sport Injuries	3
KINE 30343	Theory of Coaching	3
KINE 30423	Motor Development	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30733	Exercise Psychology OR	3
KINE 30713	Psychology of Sport	3
KINE 30833	Physical Activity and Disability	3
KINE 40513	Principles of Strength and Conditioning	3

### SOWO/Social Work Emphasis: 27 hours

SOWO 30573	Child Welfare	3
SOWO 30833	Macro Social Work Practice	3
SOWO 30843	Human Behavior and Social Environment I	3
SOWO 30853	Human Behavior and Social Environment II	3
SOWO 30863	Social Welfare Policy	3
SOWO 30883	Micro Social Work Practice	3
SOWO 40863	Social Work with Groups and Families 6 hours of approved elective courses	3 6

### Associated Requirements: 15 hours

BIOL 10003	Contemporary Issues in Biology	3
CHEM 10113	General Chemistry I	3
COMM 10123	Communicating Effectively	3
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology OR	3
PSYC 10514	Principles of Behavior I	4

HARC advisors will ensure students do CORE requirements in the various HCNHS majors.

\*Students transferring courses from a different HCNHS major as seniors must complete the core requirements of HCHS 10003, HLTH 20203, SOWO 10833, and SOWO 40883 minimally in order to earn the B.S. in Allied Health Sciences.

## Davies School of Communication Sciences & Disorders

### Communication Sciences & Disorders (COSD) Degrees

Available on the Bachelor of Science (BS) degree with a major in deaf and hard of hearing (DHH) studies or speech-language pathology.

### Honors College

COSD majors who plan to pursue Departmental Honors must be members of the Honors College 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 two courses (eight hours maximum.)



## Deaf and Hard of Hearing Studies BS

The BS with a major in deaf and hard of hearing studies requires 125 semester hours as follows:

### 1. Core Curriculum: 39-63 hours

Must include the following courses:

BIOL 10003	Contemporary Issues in Biology	3
GEOG 10003	World Regional Geography	3
POSC 10133	American and Texas Government	3
HIST 10613	United States History: A Survey since 1877	3

### 2. Habilitation of the DHH: 46 semester hours

COSD 10343	Basic Sign Language	3
COSD 20303	Speech and Hearing Science	3
COSD 20333	Phonetics	3
COSD 20343	Intermediate Sign Language	3
COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
COSD 30334	Language Development in Children	4
COSD 30343	Aural Rehabilitation	3
COSD 30353	Teaching Elementary School Subjects to DHH Children	3
COSD 30363	Audiology	3
COSD 30383	American Sign Language I	3
COSD 40323	Advanced Language Development for DHH	3
COSD 40333	Teaching Spoken Language to Persons with Hearing Loss	3
COSD 40340	Clinical Lab in Teaching DHH Students I	3
COSD 40350	Field Practicum in DHH	6
COSD 40383	American Sign Language II	3

### 3. College of Education: 30 semester hours

In addition to the academic credit distribution, students must meet the following requirements:

- Must have a "C" or better in COSD, College of Education and the state required courses of GEOG 10003, POSC 10133, HIST 10603 and 10613.
- 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 Davies School of Communication Sciences & Disorders. Background checks must be completed within the 30 days prior to the start of that academic semester.
- Complete 75 hours of clinical practice, at least two semesters of COSD 40340 and one semester of COSD 40350.
- TCU cumulative GPA of at least 2.75 and a 2.75 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.

### Suggested Courses for First-year

Fall	Semester Hours
Oral Communication	3
Written Communication	3
Natural Science (BIOL 10003)	3
History (HIST 10603)	3
Humanities	3
<b>Total</b>	<b>15</b>
Spring	Semester Hours
Natural Science (non-biology)	3
Fine Arts (FNRT 20903)	3
POSC (10133)	3
Math	3
Humanities	3
<b>Total</b>	<b>15</b>

## Speech-Language Pathology BS

The BS with a major in speech-language pathology requires 120 semester hours as follows:

### 1. TCU Core Curriculum: 39 - 63 semester hours

- Must include MATH 10043
- Must include BIOL
- Must include PHYS or CHEM

### 2. Speech-Language Pathology: 43 semester hours; must include:

COSD 10303	Survey of Communication Disorders	3
COSD 20303	Speech and Hearing Science	3
COSD 20333	Phonetics	3
COSD 20363	Evidence-Based Practice in Communication Sciences and Disorders	3
COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
COSD 30324	Speech Sound Disorders	4
COSD 30334	Language Development in Children	4
COSD 30343	Aural Rehabilitation	3
COSD 30524	Clinical Methods in Speech-Language Pathology	4
COSD 30363	Audiology	3
COSD 30373	Language Disorders in Children	3
COSD 40300	Clinical Practicum in Speech-Language Pathology I	1.00-20.00

COSD 40353	Neurological Substrates of Communication and Swallowing	3
COSD 50300	Clinical Practicum in Speech-Language Pathology II	1.00-6.00

*Admission to the program is competitive and based on applicant qualifications.*

### 3. Related Area Electives: 18 semester hours

- All related area electives must be approved by the student's academic adviser.

### 4. Supporting Areas: 6 semester hours

### 5. Electives: 7-16 semester hours

#### Suggested Courses for the Freshman Year

##### Fall

COSD 10303	Survey of Communication Disorders	3
WCO	Written Communication	3
NSC	Natural Sciences	3
MATH 10043	Elementary Statistics	3
HUM	Humanities Elective	3

##### Spring

COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
NSC	Natural Sciences	3
SSC	SSC	3
HUM	Humanities Elective	3
FAR	Fine Arts Elective	3
	Psychology	3

In addition to the academic credit distribution, students must meet the following requirements:

- Have a "C" or better in all COSD courses and in MATH 10043, one biological science course, one physical science course (CHEM or PHYS) and one social/behavioral science course.
- Complete at least 25 hours of supervised clinical observation prior to enrolling in COSD 40300.
- Prior to serving as senior clinicians in a clinical setting, present satisfactory evidence of acceptable results from a criminal background check arranged by the Davies School of Communication Sciences and Disorders. Background checks must be completed within the 30 days prior to the start of that academic semester.
- Complete 12-15 hours of clinical practice, in COSD 40300 and COSD 50300.
- Have a TCU cumulative GPA of at least 3.00, a cumulative 3.00 GPA in COSD courses, a grade of "C" or above in all COSD coursework, MATH 10043, one physical science course, one social/behavioral science course and biological sciences prior to graduation.
- Be recommended for enrollment in COSD 40300 and COSD 50300 by COSD faculty; recommendation is based on fulfillment of expectations specified in the clinic handbook and on:
  - Performance in COSD coursework;
  - Have a TCU cumulative GPA of at least 3.00, a cumulative 3.00 GPA in COSD courses, a grade of "C" or above in all completed COSD coursework.
  - Previous clinical experience and performance.

Transfer credit will only be allowed for COSD 10303, COSD 20303, COSD 20333, and COSD 20503 after a review of the syllabus for the course indicating it is an equivalent to the TCU course.

*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 ASHA'S Council on Academic Accreditation.*

## Communication Disorders Minor

A minor in Communication Sciences & Disorders is offered to undergraduate students at TCU wishing to enhance their knowledge about speech-language pathology or deaf and hard of hearing studies. The student selects to minor in Communication Disorders with a speech-language pathology emphasis (COMS) or deaf and hard of hearing emphasis (COMD). A total of 18 credit hours is required, which must include COSD 10303 and 10343. The remaining credit hours must be approved by the Health Sciences advisor in the Academic Resource Center or the assigned academic advisor. Of those remaining credit hours, 6 credit hours must be at the 3000 level or above. Students must receive a grade of C or higher in all COSD courses in order for the course to count toward the minor or as a prerequisite for subsequent courses.

### Minor in Deaf and Hard of Hearing Studies (COMD) students must also choose 12 credit hours from the following coursework

COSD 20343	Intermediate Sign Language	3
COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
COSD 30353	Teaching Elementary School Subjects to DHH Children	3
COSD 30383	American Sign Language I	3
COSD 30393	Language Development of DHH	3
COSD 40323	Advanced Language Development for DHH	3
COSD 40333	Teaching Spoken Language to Persons with Hearing Loss	3
COSD 40353	Neurological Substrates of Communication and Swallowing	3
COSD 40383	American Sign Language II	3
COSD 50323	Interaction Skills for Health Professionals	3

### Minor in Speech Language Pathology (COMS) students must also choose 12 credit hours from the following coursework

COSD 20303	Speech and Hearing Science	3
COSD 20333	Phonetics	3
COSD 20503	Anatomy and Physiology of the Speech and Hearing Mechanisms	3
COSD 30334	Language Development in Children	4
COSD 30343	Aural Rehabilitation	3
COSD 30363	Audiology	3
COSD 30373	Language Disorders in Children	3
COSD 40353	Neurological Substrates	3
COSD 50323	Interaction Skills for Health Professionals	3

## 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
- Physical Education with Strength and Conditioning
- Movement Science/MS Athletic Training (MOSC 3+2)

In addition, the department offers minors in movement science, health, physical education and fitness. The department also offers a variety of activity (PEAC) courses.

The curriculum for each major comprises the following components:

- I. Kinesiology core courses common to all majors (14 hours)
- II. Foundation courses specific to each major (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 120 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.

**Departmental Policies**

- Pass/No-Credit. No kinesiology core, foundations, emphasis or associated requirements courses may be taken on a P/NC basis.
- Grades and GPA. Students pursuing the health and fitness, movement science, physical education, and physical education with strength and conditioning majors must earn a minimum of a "C-" in all courses within the kinesiology core, foundations, emphasis and associated requirements areas of their major. In addition, in order to graduate with the BS degree in MOSC or HEFI, students must earn a minimum of a 2.5 GPA for all courses satisfying the kinesiology core foundations and emphasis areas of their major. Physical education and physical education with strength and conditioning majors must earn a minimum 2.75 overall GPA to remain in the major.
- Progression Policy. Once students pursuing a major in the Kinesiology Department have earned 54 hours toward the bachelor of science degree, to enroll in KINE or HLTH courses at the 30000 level or higher, they must have a minimum 2.5 cumulative GPA.
- Total Credit Hours. In addition to the major requirements, students must take core curriculum and elective courses to accumulate a minimum of 120 hours for the Bachelor of Science degree.
- Transfer Policy. All students may transfer up to four courses into TCU once attending TCU. For these four courses: any course considered university core, associated requirements (excluding science courses), or an elective can be taken at any accredited college/university approved through the transfer credit process. Any science course included in the associated requirements must be taken at a four-year college/university approved through the transfer credit process. All KINE major coursework (KINE or HLTH prefix) must be taken at TCU. Transfer credits from another university will not be approved if the student is completing courses at TCU in that same semester (no concurrent enrollment).

**Health and Fitness, BS**

The health and fitness option provides 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.

**Requirements**

**1. Core Curriculum (core hours depending on the number of coupled courses): (39-63 hours)**

**2. Major: Health and Fitness (50 hours)**

**Kinesiology Core Courses (14 hours)**

KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30623	Biomechanics	3
KINE 30634	Exercise Physiology	4

**Foundation Courses (27 hours)**

HLTH 30233	Sport and Exercise Neurophysiology	3
HLTH 30423	Nutrition and Physical Activity	3
HLTH 40203	Study of Human Disease	3
KINE 20313	Foundations of Sport Injuries	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30713	Psychology of Sport	3
	OR	
KINE 30733	Exercise Psychology	3
	OR	
KINE 51413	Psychology of Aging and Physical Activity	3
	OR	
KINE 51423	Psychology of Injury In Physical Activity	3
KINE 30833	Physical Activity and Disability	3
KINE 40513	Principles of Strength and Conditioning	3
KINE 40903	Senior Internship	3

**Emphasis Courses (choose 9 hours)**

**Clinical Emphasis**

HLTH 30203	Health and Stress Management	3
KINE 30843	Neuromuscular Pathophysiology	3

**Strength and Conditioning**

KINE 30343	Theory of Coaching	3
KINE 40543	Advanced Strength and Conditioning	3

**3. Associated Requirements (17 hours)**

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4
MANA 30153	Organizational Management	3
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3

**4. Electives as needed to complete (120 hours)**

**Movement Science, BS**

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.

**Requirements**

**1. Core Curriculum (core hours depending on the number of coupled courses): (39-63 hours)**

**2. Major: Movement Science (41 hours)**

**Kinesiology Core Courses (14 hours)**

KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30623	Biomechanics	3
KINE 30634	Exercise Physiology	4

**Foundation Courses (15 hours)**

KINE 30423	Motor Development	3
KINE 30713	Psychology of Sport OR	3
KINE 30733	Exercise Psychology OR	3
KINE 51413	Psychology of Aging and Physical Activity OR	3
KINE 51423	Psychology of Injury In Physical Activity	3
KINE 30843	Neuromuscular Pathophysiology	3
KINE 40103	Seminar in Kinesiology	3
KINE 40903	Senior Internship	3

**Emphasis Courses (choose 12 hours)**

HLTH 30233	Sport and Exercise Neurophysiology	3
HLTH 30423	Nutrition and Physical Activity	3
HLTH 40203	Study of Human Disease	3
KINE 20313	Foundations of Sport Injuries	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30833	Physical Activity and Disability	3
KINE 40793	Senior Research in Kinesiology	3

**3. Associated Requirements (27 hours)**

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4
CHEM 10113	General Chemistry I	3
CHEM 10125	General Chemistry II with Laboratory	5
MATH 10043	Elementary Statistics	3
MATH 10054	Precalculus with Trigonometry	4
PHYS 10154	General Physics I with Laboratory	4

**4. Electives as needed to complete (120 hours)****Physical Education, BS**

The physical education option provides the educational preparation for a career in the teaching profession. Students earn a degree that prepares them to teach physical education in grades K-12. The addition of the strength and conditioning emphasis provides the knowledge and skills necessary to become a strength and conditioning coach. In order to earn a teaching certification, students must comply with the requirements described in the College of Education section (p. **Error! Bookmark not defined.**) of the catalog. Specific requirements involve criteria for admission and retention to the teacher education program and admission to student teaching.

**Requirements****1. Core Curriculum (core hours depending on the number of coupled courses): (39-63 hours)****2. Major: Physical Education (41 hours)****Kinesiology Core (14 hours)**

KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30623	Biomechanics	3

KINE 30634	Exercise Physiology	4
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**Foundation Courses (24 hours)**

KINE 20313	Foundations of Sport Injuries	3
KINE 20403	Physical Education for Elementary School Children	3
KINE 30343	Theory of Coaching	3
KINE 30833	Physical Activity and Disability	3
KINE 40313	Individual and Dual Sports	3
KINE 40623	Physical Education for Secondary School Youth	3
KINE 40633	Teaching Outdoor Education in the Secondary School	3

**Emphasis Courses (choose 6 hours)**

KINE 30713	Psychology of Sport	3
KINE 30733	Exercise Psychology	3
KINE 30423	Motor Development	3

**3. Associated Requirements (25 hours)**

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 30001	Professional Practice Seminar	1
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3
EDUC 30603	Study of Exceptional Students	3
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 40966	All Level Student Teaching	6

**4. Electives as needed to complete (120 hours)****Physical Education with Strength and Conditioning BS**

The physical education portion of this option provides students with the educational preparation for a career in the teaching profession. Students earn a degree that enable them to teach physical education in grades K-12. The addition of the strength and conditioning emphasis adds the knowledge and skills necessary to become a strength and conditioning coach. To earn a teaching certification, students must meet and comply with the requirements described in the "Teacher Education Program" section of this bulletin. Specific requirements involve criteria for admission and retention to the teacher education program, and admission to student teaching.

**Requirements****1. Core Curriculum (core hours depending on the number of coupled courses): (39-63 hours)****2. Major: Physical Education with Strength and Conditioning (53 hours)****Kinesiology Core (14 hours)**

KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30623	Biomechanics	3
KINE 30634	Exercise Physiology	4

**Foundation Courses (24 hours)**

KINE 20313	Foundations of Sport Injuries	3
KINE 20403	Physical Education for Elementary School Children	3
KINE 30343	Theory of Coaching	3
KINE 30423	Motor Development	3
KINE 30833	Physical Activity and Disability	3
KINE 40313	Individual and Dual Sports	3
KINE 40623	Physical Education for Secondary School Youth	3
KINE 40633	Teaching Outdoor Education in the Secondary School	3

**Emphasis Courses (choose 15 hours)**

KINE 30713	Psychology of Sport	3
KINE 30733	Exercise Psychology	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 40513	Principles of Strength and Conditioning	3
KINE 30443	Coaching Pedagogy & Practice	3
HLTH 30423	Nutrition and Physical Activity	3

**3. Associated Requirements (25 hours)**

EDUC 20003	Critical Investigation: Teaching and Learning	3
EDUC 41113	Schools, Curriculum, and Society	3
EDUC 30123	Educational Psychology	3
EDUC 30143	Child and Adolescent Development	3
EDUC 30603	Study of Exceptional Students	3
EDUC 30001	Professional Practice Seminar	1
EDUC 40213	Promoting Literacy in the Content Areas	3
EDUC 40966	All Level Student Teaching	6

**4. Electives as required (120 hours)****Movement Science/MS Athletic Training (MOSC 3+2)**

The 3+2 option allows students to complete a Bachelor of Science in Kinesiology (Movement Science (MOSC) Option) in combination with a Master of Science in Athletic Training in only 5 years (3 pre-professional years plus 2 professional years leading to two separate degrees). Students must complete 110 hours in the pre-professional track for the MOSC degree, maintain a 3.0 overall GPA, earn a C or better in all courses required for the MOSC degree and/or program prerequisites, and complete a secondary application process to progress to the professional program. This program is intended for students entering as first-year students or students who transfer/change majors early in their undergraduate education. Transfer students should be aware that it may take additional time to complete all undergraduate and graduate requirements. Please refer to the TCU Graduate Catalog for additional information regarding the Master of Science in Athletic Training or visit the TCU Athletic Training Program website: <https://harriscollege.tcu.edu/athletic-training/>

**Requirements****1. Core Curriculum (core hours depending on the number of coupled courses): (39-63 hours)****Major: Movement Science (41 hours)****Kinesiology Core (14 hours)**

KINE 10101	Introduction to Kinesiology	1
KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30623	Biomechanics	3
KINE 30634	Exercise Physiology	4

**Foundation Courses (9 hours)**

KINE 30423	Motor Development	3
KINE 30713	Psychology of Sport	3
	OR	
KINE 30733	Exercise Psychology	3
KINE 30843	Neuromuscular Pathophysiology	3

**Emphasis Courses (choose 12 hours)**

HLTH 30233	Sport and Exercise Neurophysiology	3
HLTH 30423	Nutrition and Physical Activity	3
HLTH 40203	Study of Human Disease	3
KINE 20313	Foundations of Sport Injuries	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30833	Physical Activity and Disability	3

**3. Associated Requirements (27 hours)**

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4
CHEM 10113	General Chemistry I	3
CHEM 10125	General Chemistry II with Laboratory	5
MATH 10043	Elementary Statistics	3
MATH 10054	Precalculus with Trigonometry	4
PHYS 10154	General Physics I with Laboratory	4

**4. MSAT Requirements (Pre-Professional)**

PSYC 10213	Introduction to Psychology	3
BIOL 10003	Contemporary Issues in Biology	3
HLTH 20203	Health and Wellness Concepts	3
NTDT 30331	Medical Terminology	1

**6. Complete Master of Science in Athletic Training Curriculum (includes Summer Bridge Courses): See TCU Graduate Catalog****5. Summer Bridge Courses****Kinesiology Minors**

The Department of Kinesiology offers academic minors in movement science, health, physical education, fitness, and coaching. 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 19 hours as follows:

KINE 10603	Anatomical Kinesiology	3
KINE 30403	Motor Behavior	3
KINE 30423	Motor Development	3
KINE 30623	Biomechanics	3
KINE 30634	Exercise Physiology	4

**Elective Courses (choose 3 hours)**

KINE 30523	Exercise Assessment and Prescription	3
KINE 30713	Psychology of Sport	3
KINE 30833	Physical Activity and Disability	3

## Health Minor

The minor in health requires 18 or 19 hours as follows:

HLTH 20203	Health and Wellness Concepts	3
HLTH 30233	Sport and Exercise Neurophysiology	3
HLTH 30203	Health and Stress Management	3
HLTH 30423	Nutrition and Physical Activity	3

**Choose two of the following:**

HLTH 30213	Health Aspects of Human Sexuality	3
HLTH 40203	Study of Human Disease	3
KINE 30634	Exercise Physiology	4
KINE 30733	Exercise Psychology	3

HLTH 30213 Recommended for students entering the teacher preparation field.

HLTH 40203 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	3
KINE 20403	Physical Education for Elementary School Children	3
KINE 30803	Adapted Physical Activity	3
	OR	
KINE 30833	Physical Activity and Disability	3
KINE 40623	Physical Education for Secondary School Youth	3

**Choose two of the following:**

KINE 30423	Motor Development	3
KINE 30623	Biomechanics	3

KINE 30634	Exercise Physiology	4
HLTH 30423	Nutrition and Physical Activity	3

## Fitness Minor

The minor in fitness requires 19 hours as follows:

KINE 10603	Anatomical Kinesiology	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30634	Exercise Physiology	4
KINE 40513	Principles of Strength and Conditioning	3

**Choose 6 additional hours:**

KINE 20313	Foundations of Sport Injuries	3
KINE 30343	Theory of Coaching	3
KINE 40543	Advanced Strength and Conditioning	3

## Coaching Minor

The minor in coaching requires 18 hours as follows:

KINE 20313	Foundations of Sport Injuries	3
KINE 30523	Exercise Assessment and Prescription	3
KINE 30343	Theory of Coaching	3
KINE 30713	Psychology of Sport	3
KINE 40513	Principles of Strength and Conditioning	3
KINE 30443	Coaching Pedagogy & Practice	3

## 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 (NCLEX) in one state qualifies graduates to apply for licensure in any other state. Harris College, Nursing, achieved national accreditation in 1952 and has remained accredited since that time. In addition to the BON accreditation, the program is accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington, D.C. 20001 (<http://ccneaccreditation.org>)

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-Fort Worth 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:

Office of the Director, Undergraduate Nursing  
 TCU 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, Undergraduate Nursing

## Nursing Program of Study

The Nursing program is designed to meet the needs of those interested in obtaining the Bachelor of Science in Nursing (BSN).

### Mission

**TCU Nursing is dedicated to professional nursing education based on a foundation of liberal arts, sciences, and humanities, and to the promotion of an environment that encourages lifelong learning.**

TCU Nursing further affirms to enhance the human condition by preparing graduates who think and practice as ethical leaders, and advance knowledge of health and human development within the global community. The Nursing program is designed to meet the needs of those interested in obtaining a Bachelor of Science in Nursing degree, Masters of Science in Nursing and Doctor of Nursing Practice degree, a Post-Graduate certificate, and a Post-Graduate APRN Certificate.

The Program endorses the Mission, Vision and Core Values of Texas Christian University.

### TCU Nursing Vision

To advance the health of all.

### TCU Nursing Mission

To lead nursing education, practice and scholarship.

### TCU Nursing Values

Collaboration

Human Dignity

Innovation

Integrity

Social Justice

### Baccalaureate Nursing Program Outcomes

- Demonstrate values and behaviors that support the vision, mission, and core values of TCU and TCU Nursing.
- Meet complex health needs of individuals, families, populations, and communities.
- Apply leadership and management principles to achieve safe, high quality, person-centered care.
- Use information management systems and technology to provide care and optimized patient outcomes.
- Engage in scholarship, leadership, and service.

### Nursing Degrees

TCU offers the Bachelor of Science in Nursing (BSN).

### Nursing Major Admission

Prior to beginning nursing coursework, each student must complete the criminal background check as required by the Texas Board of Nursing (BON) and submit proof of eligibility to take the NCLEX. Four pieces of documentation are accepted:

1. Blue postcard from the BON stating that the criminal background check is clear
2. An Operations Outcome Letter
3. An Enforcement Outcome Letter
4. An Eligibility order from the BON

### TCU Continuing Students (entered TCU as a first-year student; major-nursing)

Continuing TCU nursing majors should submit an intent to enroll in first nursing courses by Oct. 1 for the spring semester and Feb. 1 for the fall semester.

Students who enter TCU as a first-year nursing major are scheduled to begin the five-semester nursing sequence during their fourth semester at TCU. Any student wishing to begin the five-semester nursing sequence earlier must notify the Harris Academic Resource Center (HARC) by October 1 of their first-year.

### Change of Major Students (entered TCU as a first-year student; major other than nursing)

A TCU student may change to the nursing major after completing two semesters of coursework at TCU and maintains a 2.5 TCU cumulative GPA. It is strongly recommended that the change of major be completed as soon as possible, but at least one semester prior to the first semester of nursing courses. Change of major requests must be completed by April 1. Students who enter nursing after the first semester of their first-year year may only begin the nursing program during a fall semester and will be on a 4 1/2 year plan of study or longer depending upon when the change of major occurred.

### Transfer Students (out of high school at least one full semester and attempted college or university work elsewhere for credit)

Transfer applicants use Nursing CAS (Centralized Application Service for Nursing Programs). The deadline for application for initial entry into nursing courses by transfer students is Feb. 1 for the fall semester. Test of Essential Academic Skills (TEAS) entrance examination scores are required with the application. Transfer applicants are advised to contact the Harris Academic Resource Center (HARC) as early as possible in the application process.

The number of transfer students admitted to nursing courses is determined by the availability of faculty, facilities and the number of qualified continuing and change of major TCU students. Selection of transfer students for initial entry into nursing courses is based on indicators of the applicant's likelihood of success in the program and in professional practice.

Transfer students may not pursue a nursing major at TCU if they have been 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 a letter from the dean or director of that program indicating eligibility status for readmission.

### Additional Bachelor Degrees

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

TCU Nursing offers an accelerated BSN track. Applicants with a bachelor's degree must have a GPA of 2.5 or higher in their first degree or science prerequisites. Applicants without a bachelor's degree, including current TCU students with declared major other than nursing, must have a GPA of 2.5 or higher in their current coursework or science prerequisites. The 19-month course of study is full time with coursework beginning in June of each year. Admission is competitive based on academic record, entrance exam scores and completion of all prerequisite courses and core curriculum. Students must also comply with other admission requirements listed above. Those interested should contact TCU Nursing for admission requirements unique to this track.

### 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 TCU Nursing to receive approval for the student to re-enroll as a nursing major. The student must meet the requirements for graduation based on 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 Progression Policies (after enrollment in nursing coursework)

Students must have a TCU cumulative GPA of 2.5 to progress to the next semester of coursework and each semester must be completed prior to progression into the next semesters courses.

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 "C-", "D," "F" or "NC" are earned in two or more nursing courses (excluding NURS 10303).

A "C" grade is obtained by earning a 73%. Students are responsible for knowing how to obtain a minimum of a 73% in nursing coursework. Some classes require a 73% test average in order to receive quiz, project, or participation points. Information about grading is found in the course syllabus.

Students may be discontinued from the nursing major if there is not consistent progress towards program completion.

Students may be discontinued from the nursing major if 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 removing a student from a practicum and/or the nursing program. Faculty members are responsible for recommending this action in writing to the Director, Undergraduate Nursing.

As a minimum requirement for participating in a practicum, a student's performance must be in compliance with *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. The instructor may recommend further action to the Director, Undergraduate Nursing.

## Requirements for Graduation

For the Bachelor of Science in Nursing, a student must have:

- 2.5 cumulative GPA for all coursework completed at TCU
- Completed 120 credits including all nursing courses required for the major with grades of "C" or higher or "P"
- Completed all core curriculum requirements

## Multiple Majors

Nursing students, with the approval of appropriate academic deans, may 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 to develop an academic plan.

## Computer Requirement

For all computer-based assessments, students are required to bring a Windows or Apple laptop that meets the software requirements of TCU's learning management system.

## Fees and Other Expenses

Each clinical course carries a laboratory fee. Fees are charged for testing and academic resources per semester. All students planning licensure as a registered nurse in Texas are required to submit the required fee directly to the Board of Nursing and to the national company which administers the test during the last semester of nursing coursework. Purchase of uniforms at the TCU bookstore is required. Professional liability insurance is 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, ride share or carpool beginning with the first practicum nursing course.

## Employment

Students may be employed on or off campus, as opportunities are available and as 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 course requirements. Students employed in clinical agencies may not wear the TCU Nursing name tag or uniform during such employment. Students who are employed in a clinical setting must not sign their names as nursing students.

## Health Professions Learning Center

The Health Professions Learning Center in the Annie Richardson Bass Building is available to nursing students to enhance independent learning and as a simulation and basic care lab for mastering clinical

skills. In the Learning Center, students become active participants in an environment that facilitates both individual and small-group learning situations.

## Testing Program

Students are required throughout the program to complete computer-based standardized assessments. Results provide a basis for review of individual achievement as well as program effectiveness.

## Honors College

Nursing majors who plan to pursue departmental honors must be members of the Honors College and are advised carefully for such achievement. TCU Nursing supports and encourages participation in the Honors College.

## Nursing Scholarships and Grants

A variety of scholarships and grants are available once students begin nursing coursework. Applications are made through the Office of Scholarships and Student Financial Aid.

## Nursing Student Organization

The Texas Nursing Student Association and the National Student Nurses' Association provide an opportunity 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.

## Sigma Theta Tau International

Since 1970 the Beta Alpha Chapter of the International Honor Society for Nursing, Sigma Theta Tau, has selected members on the basis of academic merit. Qualified students are invited to join during their junior or senior years.

## Chi Eta Phi Sorority

Chi Eta Phi Sorority, Inc. is a national organization of registered professional nurses and nursing students. All undergraduate nursing students are eligible to apply. Members are actively engaged in events on campus and the community. The organization serves to develop nursing leaders, encourage continuing education, and serve the community.

## Nursing, BS

## Requirements

**Students must meet the following requirements to enroll in the first semester of nursing coursework.**

- The following prerequisites must be completed with a grade of "C" or higher before entering the first nursing courses.

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4
BIOL 20234	Microbiology of Human Disease	4
NURS 10303	Human Development	3
PSYC 10213	Introduction to Psychology	3
SOCI 20213	Introductory Sociology	3
MATH 10043	Elementary Statistics	3
NTDT 20403	Nutrition	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 nursing courses will be discontinued from the major.
- Prerequisite sciences must be completed within five (5) years of application to the program. Sciences include A&P 1 and 2, and Microbiology.
- Current American Heart Association cardiopulmonary resuscitation (CPR) for health care providers card. (Online CPR courses do not meet this requirement.)
- Documentation of required immunizations (contact TCU Nursing for list).



- CPR, TB tests or other immunization documentation that will expire during a semester must be updated and documentation submitted to the nursing office by August 1 and January 1.
- Cannot have more than 12 hours of TCU Core incomplete.
- Completion of the Test of Essential Academic Skills (TEAS) entrance exam.
- Documentation of health insurance.
- Drug screen and criminal background check as required by health care agencies and BON.
- Transfer students must take a 3-credit hour cultural awareness (CA) course to fulfill TCU Core requirements.

## Nursing Curriculum Plan

TCU 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, clinical 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-Dallas Metroplex.

Courses within the program and the sequence are designed to promote student success. Once enrolled in TCU Nursing clinical coursework, classes must be taken and retaken at TCU. As such, transfer credit will only be allowed for NURS 10303 and NURS 20363 after syllabus review indicates the course is equivalent to the TCU course.

### Typical Schedule

Schedules for TCU Core Curriculum courses may vary for individual students.

#### First-year

##### Semester 1

BIOL 20204	Anatomy and Physiology	4
ENGL 10803	Introductory Composition: Writing as Inquiry	3
FAR	Fine Arts Elective	3
OCO	Oral Communication	3
PSYC 10213	Introduction to Psychology	3

**Subtotal: 16**

##### Semester 2

BIOL 20214	Anatomy and Physiology	4
NTDT 20403	Nutrition	3
SOCI 20213	Introductory Sociology	3
HT	Historical Traditions	3
HUM	Humanities Elective	3

**Subtotal: 16**

#### Sophomore Year

##### Semester 1

BIOL 20234	Microbiology of Human Disease	4
ENGL 20803	Intermediate Composition: Writing Argument	3
MATH 10043	Elementary Statistics	3
RT	Religious Traditions	3
NURS 10303	Human Development	3

**Subtotal: 16**

#### Semester 2

NURS 20043	Professional Role I: Member of the Profession	3
NURS 20263	Health Assessment: Concepts	3
NURS 20271	Health Assessment: Lab	1
NURS 20363	Pathophysiology	3
LT/HUM	Literary Traditions/Humanities	3
	Elective	

**Subtotal: 16**

Choice of elective will depend on other choices made within the HMOV and HEE

#### Junior Year

Summer work in non-nursing courses is recommended prior to junior year

##### Semester 1

NURS 30163	Pharmacotherapeutics	3
NURS 30263	Foundations of Nursing Care: Concepts	3
NURS 30182	Foundations of Nursing Care: Clinical	2
NURS 30171	Foundations of Nursing Care: Lab	1
NURS 30243	Professional Role II: Member of the Healthcare Team	3
	Elective	3

**Subtotal: 15**

##### Semester 2

NURS 30563	Care of Adults with Health Alterations I: Concepts	3
NURS 30582	Adults with Health Alterations I: Clinical	2
NURS 30663	Behavioral Health Nursing: Concepts	3
NURS 30682	Behavioral Health Nursing: Clinical	2
NURS 30633	Professional Role III: Member of the Research and Evidence Based Practice Community	3
NURS 30671	Clinical Reasoning and Simulation I	1

**Subtotal: 14**

#### Senior Year

##### Semester 1

NURS 40563	Care of Adults with Health Alterations II: Concepts	3
NURS 40582	Adults with Health Alterations II: Clinical	2
NURS 40663	Maternal, Child and Family Nursing Concepts	3
NURS 40682	Maternal, Child and Family Nursing: Clinical	2
NURS 40672	Clinical Reasoning in Simulation II	2
	Elective	3

**Subtotal: 15**

##### Semester 2

NURS 40763	Leadership in Nursing Practice: Concepts	3
NURS 40783	Transition into Practice: Clinical	3
NURS 40863	Public Health Nursing: Concepts (CSV)	3
NURS 40882	Public Health Nursing: Clinical	2
NURS 40871	Clinical Reasoning in Simulation	1
NURS 40001	NCLEX (National Council Licensure Examination in Nursing) Review	1

**Subtotal: 13**

Subtotal: 121

## Social Work

Social work is one of the human service professions. Social workers help individuals, groups and 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 generalist practitioners 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 concurrent placement (12 academic hours) of field education (internship) in two semesters 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 BSW 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).

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.

### Gatekeeping

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 in the BSW Handbook and is based on adherence to the NASW Code of Ethics. The faculty discusses students' professional development and readiness to interact with clients during the field application process, which reinforces the gatekeeping process.

### Admission to BSW Field Education

Students may declare the social work major at any time. Admission to BSW Field Education requires that students:

- Have attained junior status;
- Have a 2.25 or higher overall GPA;
- Complete or be enrolled in SOWO 10833, 30833, 30843, 30853, 30863, 30883, 40863, and 40883.
- Have a 2.5 GPA in social work and a "C" or better in all SOWO courses; and
- Make written application and receive faculty approval based on the application 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 College

Social Work majors who plan to pursue Departmental Honors must be members of the Honors College 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 (BA and BS). 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.

### 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 may be

accepted toward the social work degree upon review of the syllabi from the transfer college/university.

### Study Abroad

Students are encouraged to study abroad. The Department of Social Work expects that students take specific SOWO courses during junior and senior year, as well as internship during senior year, therefore it is recommended that study abroad occurs prior to junior year. Students should schedule study abroad accordingly.

### Social Work Honor Society

The department sponsors the Iota Xi chapter of Phi Alpha, the national Social Work Honor Society. In accordance with the criteria set by the Phi Alpha Honor Society, invitation is extended to students in the top 35% of their class at the end of their junior year.

### Social Work Licensing

BSW students have the option to take Texas State Licensing Examination in their final semester in order to be licensed as LBSWs in Texas. Licensing may be transferable to other states. Additional information can be found about licensure at the Texas Behavioral Health Executive Council site for the Texas State Board of Social Work Examiners <https://www.bhec.texas.gov/texas-state-board-of-social-worker-examiners/index.html>

### Student Association of Social Workers (SASW)

The Student Association of Social Workers (SASW) is a recognized organization of the University with membership open to all TCU students who are interested in social work. SASW offers an opportunity for BSW, MSW and other students to get involved in activities around campus and in the community. The organization began in the spring of 1978 in order to: Promote knowledge about social work at TCU, facilitate communication among students and between students and faculty, provide mutual support among students, and promote social action and community service.

## Social Work, BSW

The Bachelor of Social Work (BSW) degree is available. Social work is also available as a double major on the BS or BA degrees and as a minor on most degrees.

## Requirements for the BSW total 120 semester hours

### Include:

BIOL 10003	Contemporary Issues in Biology	3
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3

**The following 9 hours are considered foundation courses and should be taken according to course prerequisites and requirements:**

### Foundation Courses 9 semester hours:

SOWO 10833	Introduction to Social Work	3
SOWO 30863	Social Welfare Policy	3
SOCI 20213	Introductory Sociology	3
	OR	
SOCI 20223	Social Problems	3

### Social Work Courses 33 semester hours:

SOWO 30833	Macro Social Work Practice	3
SOWO 30843	Human Behavior and Social Environment I	3
SOWO 30853	Human Behavior and Social Environment II	3
SOWO 30883	Micro Social Work Practice	3
SOWO 40813	Research Methods in Social Work	3
SOWO 40863	Social Work with Groups and Families	3

SOWO 40883	Diversity and Social Justice	3
SOWO 40823	Field Seminar I	3
SOWO 40833	Field Seminar 2	3
SOWO 40843	Field Education I	3
SOWO 40893	Field Education II	3

**Nine hours chosen from SOWO electives:**

SOWO 30433	Social Work Practice with Children	3
SOWO 30523	Addictions	3
SOWO 30533	Social Work in the Criminal Justice System	3
SOWO 30573	Child Welfare	3
SOWO 40413	Animal Assisted Therapy and Social Work	3
SOWO 40433	Intimate Partner Violence & Social Work	3
SOWO 40443	School Social Work	3
SOWO 40473	Homelessness in the US	3
SOWO 40513	Approaches to Healthy Aging	3
SOWO 40523	Law and Social Work	3
SOWO 40543	Social Work with Older Adults	3
SOWO 40563	Grief and Loss	3
SOWO 40573	Community Mental Health	3
SOWO 40583	Developmental Disabilities	3

**The following options may also be taken to meet the social work elective requirement. Prior approval of the BSW program director should be obtained before taking these courses to meet major requirement.**

SOWO 30003	Honors Tutorial in Social Work	3
SOWO 40003	Senior Honors Research Project	3
SOWO 40510	Directed Study in Social Work	1.00-20.00
SOWO 40520	Contemporary Topics in Social Work	1.00-3.00

## Social Work Minor Requirements

**A minor in social work requires 18 hours of SOWO courses, including**

SOWO 10833	Introduction to Social Work	3
SOWO 40883	Diversity and Social Justice	3
At least one of the following three courses:		
SOWO 30863	Social Welfare Policy	3
OR		
SOWO 30843	Human Behavior and Social Environment I	3
OR		
SOWO 30853	Human Behavior and Social Environment II	3

Additional courses are to be selected from the social work curriculum, excluding SOWO 40823, 40833, and 40893.

A grade of "C" or better is required in all social work courses for the minor.

# College of Science & Engineering

## Science & Engineering Program of Study

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 21 fields of study and the Bachelor of Arts degree with majors in 7 fields. The college also offers a Bachelor of Combined Science and a combined BS/MS program. Minors are available in 20 fields. A Certificate Program is also available in Ranch Management.

The college is also 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 postdoctoral associates in departments where graduate programs exist. To assist in these activities, the college houses SERC (Science & Engineering Research Center) to serve as a gateway of support for undergraduate research activities.

### 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 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 & 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.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

## College of Science & Engineering Organization

The College of Science & Engineering is organized into 11 departments.

### Departments

Biology  
 Chemistry & Biochemistry  
 Computer Science  
 Engineering  
 Environmental Sciences  
 Geological Sciences  
 Mathematics  
 Nutritional Sciences  
 Physics & Astronomy  
 Psychology  
 Ranch Management

Sid W. Richardson houses the departmental offices of chemistry & biochemistry, environmental sciences, geological sciences, physics & astronomy, the Pre-Health Institute and the Institute for Environmental Studies. Biology and psychology are in Winton-Scott Hall. Nutritional sciences is located in the Annie Richardson Bass Building. Ranch Management is located in the Winthrop Rockefeller Building. College administrative offices and the departmental offices for computer science, engineering and mathematics are located in the Tucker Technology Building.

### Interdepartmental Programs

Child Development (Psychology)  
 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 & Physics
- Biochemistry
- Biology
- Biophysics
- Chemistry
- Child Development (Psychology)
- Computer Information Technology (Computer Science)
- Computer Science
- Data Science
- Dietetics (Nutritional Sciences)
- Earth Systems Science
- Engineering

- Environmental Science
- Food Management (Nutritional Sciences)
- Geology
- Mathematics
- Neuroscience (Psychology)
- Nutrition (Nutritional Sciences)
- Physics
- Psychology
- Ranch Management

The Bachelor of Combined Science

Combined BS/MS degree

- Dietetics (Nutritional Sciences)

## College of Science & Engineering Certificates

The College of Science & Engineering offers certificates in:  
Ranch Management

The Ranch Management Certificate may be used to fulfill the requirement for a minor with approval of the dean of the major college. The rules for minors also apply to the certificate program.

## College of Science & Engineering Minors

The College of Science & Engineering offers minors in:

- Applied Physics
- Astronomy
- Biology
- Biophysics
- Chemistry
- Child Development (Psychology)
- Combined Science
- Computer Information Technology
- Computer Science
- Cultural Awareness in Healthcare
- Data Science
- Energy Technology & Management
- Environmental Science
- Geology
- Mathematics
- Nutrition
- Physics
- Psychology
- Ranch Management
- Sustainability

Minors for students majoring in the College of Science & Engineering are also accepted from AddRan College of Liberal Arts, College of Fine Arts, Bob Schieffer College of Communication, College of Education, Neeley School of Business and Harris College of Nursing & Health Sciences.

Only associated requirements of the major may be applied to the requirements of a minor. Courses applied to the requirements of one minor may not be applied to the requirements of another minor.

## College of Science & Engineering, BA

Students pursuing a program leading to a Bachelor of Arts degree must complete a minimum of 120 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 and the foreign language requirement.

## 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:**

ARAB 20063	Intermediate Arabic II	3
CHIN 20063	Intermediate Chinese II	3
FREN 20063	Fourth Semester College French	3
GRMN 20063	Intermediate German	3
GREE 20063	Fourth Semester College Greek (Hellenistic)	3
ITAL 20063	Fourth Semester College Italian	3
JAPN 20063	Fourth Semester College Japanese	3
SPAN 20203	Intermediate Spanish 2	3
SPAN 20213	Intensive Intermediate Spanish 2	3

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 BS

Students pursuing a program leading to a Bachelor of Science degree must complete a minimum of 120 semester hours, 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.

## 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 strong interest in the biological sciences but who desires a broader-based area of study or who is interested in pursuing multiple majors. The degree is appropriate for students interested in graduate or health-related professional schools but may require additional coursework to fulfill certain prerequisites. The BS degree offers an expanded study of the biological sciences and includes associated requirements that provide a broader knowledge of the physical sciences. Required courses within the BS degree will meet many prerequisites of graduate and health-related professional schools.

### Honors College

Biology majors who plan to pursue Departmental Honors must be members of the Honors College 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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

List of BIOL courses: BIOL - Biology (p. **Error! Bookmark not defined.**)

## Biology, BS

### Requirements

The program of study requires a minimum of 35-36 hours, on a 120-hour degree, consisting of:

**Minimum of 35-36 hours of biology**

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
	OR	
BIOL 10501	Introductory Biology Lab I AND	1
BIOL 10511	Introductory Biology Lab II	1
BIOL 30403	Ecology and the Environment	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 41000	Senior Assessment	0

**21 additional hours in biology, including a minimum of three courses with laboratories.**

One independent research course (BIOL 40033 or 40803 or 40900) may count as one laboratory course.

**A maximum of 6 hours in independent research courses is permitted within the 21 additional hours:**

BIOL 40033	Senior Honors Research in Biology	3
BIOL 40803	Biological Research and Writing	3
BIOL 40900	Independent Research in Biology	1.00-3.00

**A maximum of 6 hours in teaching of biology courses is permitted within the additional 21 hours:**

BIOL 40320	Teaching of Introductory-Level Biology	1.00-4.00
BIOL 40330	Teaching of Advanced Biology	1.00-4.00

**A maximum of 8 hours for any combination of the following courses will be permitted within the 21 additional hours:**

BIOL 40033	Senior Honors Research in Biology	3
BIOL 40320	Teaching of Introductory-Level Biology	1.00-4.00
BIOL 40330	Teaching of Advanced Biology	1.00-4.00
BIOL 40803	Biological Research and Writing	3
BIOL 40900	Independent Research in Biology	1.00-3.00

**A maximum of 4 hours and one laboratory will be granted within the additional 21 hours for completion of both Anatomy and Physiology courses:**

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4

**Associated Requirements:**

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2

OR

CHEM 20123	Quantitative Analysis	3
CHEM 30123	Organic Chemistry I	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30133	Organic Chemistry II	3
PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
MATH 10043	Elementary Statistics	3
	OR	
MATH 10524	Calculus I	4

Additional courses in mathematics, computer science or statistics are encouraged.

## Biology, BA

### Requirements

The program of study requires a minimum of 26-27 hours, on a 120-hour degree, consisting of:

**A minimum of 26-27 semester hours of biology:**

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
	OR	
BIOL 10501	Introductory Biology Lab I AND	1
BIOL 10511	Introductory Biology Lab II	1
BIOL 30403	Ecology and the Environment	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 41000	Senior Assessment	0

**12 additional approved hours in biology, including a minimum of two courses with laboratories (excluding BIOL 40033, BIOL 40803 and BIOL 40900).****A maximum of 3 hours, of the 12 additional hours, will be allowed for any combination of the following:**

BIOL 40033	Senior Honors Research in Biology	3
BIOL 40320	Teaching of Introductory-Level Biology	1.00-4.00
BIOL 40330	Teaching of Advanced Biology	1.00-4.00
BIOL 40803	Biological Research and Writing	3
BIOL 40900	Independent Research in Biology	1.00-3.00

**A maximum of 4 hours and one laboratory will be granted within the additional 12 hours for completion of both Anatomy and Physiology courses.**

BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4

Students without credit for a high school course in chemistry are encouraged to take two semesters of college chemistry. One year of high school or two semesters of college physics is also advised.

## Biology Minor

### Requirements

The program of study requires a minimum of 21 semester hours of biology, including a minimum of 9 hours of upper-division (30000 or above) courses. A maximum of 3 of these upper division hours may come from a combination of 1-hour seminar courses in biology.

**A maximum of 3 hours will be given for any combination of the following:**

BIOL 40033	Senior Honors Research in Biology	3
BIOL 40320	Teaching of Introductory-Level Biology	1.00-4.00
BIOL 40330	Teaching of Advanced Biology	1.00-4.00
BIOL 40803	Biological Research and Writing	3
BIOL 40900	Independent Research in Biology	1.00-3.00

## Chemistry & Biochemistry

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 College

A student may obtain Departmental Honors in chemistry by successfully completing 6 hours of senior honors research (CHEM 40003 and 40013) or 3 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 achieving of an overall GPA of 3.5 or greater.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

## Chemistry, BS

### Requirements

The program of study requires a minimum of 38 hours, on a 120-hour degree, consisting of:

**A minimum of 38 hours of CHEM**

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3
CHEM 30123	Organic Chemistry I	3
CHEM 30133	Organic Chemistry II	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30143	Organic Qualitative Analysis	3
CHEM 40091	Senior Seminar	1
CHEM 40121	Physical Chemistry I Lab	1
CHEM 40123	Physical Chemistry I	3
CHEM 40131	Physical Chemistry II Lab	1
CHEM 40133	Physical Chemistry II	3
CHEM 50163	Advanced Inorganic Chemistry	3

CHEM 40172	Chemical Instrumentation	2
	OR	
CHEM 50162	Advanced Inorganic Chemistry Laboratory	2
CHEM 40200	Undergraduate Research	1.00-4.00
	OR	
CHEM 40003	Senior Honors Research Project	3
CHEM 40013	Senior Honors Research Paper	3

**And one additional advanced course selected from**

CHEM 50282	Advanced Physical Chemistry	2
CHEM 50133	Biochemistry I	3
CHEM 50223	Advanced Organic Chemistry	3

**Professional certification by the American Chemical Society requires the inclusion of**

CHEM 20123	Quantitative Analysis	3
CHEM 40172	Chemical Instrumentation	2
CHEM 50162	Advanced Inorganic Chemistry Laboratory	2
CHEM 50133	Biochemistry I	3
CHEM 50282	Advanced Physical Chemistry	2

Resulting in a minimum of 43 hours of chemistry.

**Associated Requirements:**

PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
MATH 10524	Calculus I	4
MATH 20524	Calculus II	4

*MATH 30524 is recommended for CHEM 50282.*

## Chemistry, BA

### Requirements

The program of study requires a minimum of 24 hours, on a 120-hour degree, consisting of:

**A minimum of 24 hours of CHEM**

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3
CHEM 30123	Organic Chemistry I	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 40091	Senior Seminar	1
CHEM 40123	Physical Chemistry I	3
CHEM 40121	Physical Chemistry I Lab	1

**Suitable electives chosen from upper-level courses (30000 or above) with the exclusion of**

CHEM 40503	Basic Biochemistry	3
CHEM 50111	Laboratory Glassblowing	1
CHEM 50120	Teaching of Chemistry	.50-3.00

No more than two hours of research (CHEM 40200 or CHEM 40003-40013) may contribute to the 24-hour minimum.

**Associated Requirement:**

MATH 10524	Calculus I	4
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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.

## Biochemistry, BS

### Requirements

The program of study requires a minimum of 38 hours, on a 120 hour degree, consisting of

**A minimum of 38 hours of CHEM**

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3
CHEM 30123	Organic Chemistry I	3
CHEM 30133	Organic Chemistry II	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30143	Organic Qualitative Analysis	3
CHEM 40091	Senior Seminar	1
CHEM 40123	Physical Chemistry I	3
CHEM 40121	Physical Chemistry I Lab	1
CHEM 40200	Undergraduate Research	1.00-4.00
	OR	
CHEM 40003	Senior Honors Research Project	3
	AND	
CHEM 40013	Senior Honors Research Paper	3
CHEM 50163	Advanced Inorganic Chemistry	3
CHEM 50502	Biochemistry Laboratory	2
CHEM 50133	Biochemistry I	3
CHEM 50143	Biochemistry II	3

**Professional certification by the American Chemical Society requires the inclusion of**

CHEM 20123	Quantitative Analysis	3
CHEM 40172	Chemical Instrumentation	2
CHEM 40013	Senior Honors Research Paper	3
CHEM 40131	Physical Chemistry II Lab	1
CHEM 50162	Advanced Inorganic Chemistry Laboratory	2

Resulting in a minimum of 46 hours of chemistry

**Associated Requirements**

BIOL 10503	The Unity of Life: Molecules to Cells	3
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BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3

**And one of (3 hours):**

BIOL 40123	Genetics	3
BIOL 40133	Molecular Basis of Human Disease	3
BIOL 40403	Mammalian Physiology	3
	AND	
PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	AND	
MATH 10524	Calculus I	4
	AND	
MATH 10043	Elementary Statistics	3
	OR	
MATH 30803	Probability	3

## Chemistry Minor

### Requirements

The program of study requires a minimum of 18 semester hours to include:

**Required Courses**

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3
	AND	
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30123	Organic Chemistry I	3

**Suitable electives chosen from**

CHEM 30133	Organic Chemistry II	3
CHEM 30143	Organic Qualitative Analysis	3
CHEM 40091	Senior Seminar	1
CHEM 40123	Physical Chemistry I	3
CHEM 40121	Physical Chemistry I Lab	1
CHEM 50133	Biochemistry I	3
CHEM 50163	Advanced Inorganic Chemistry	3

## Child Development

The child development major and minor are administered by the Department of Psychology; students should contact the Karyn Purvis Institute of Child Development for information about these programs.

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 nine disciplines:

- Child Development
- Communication Sciences and Disorders
- Sociology
- Criminal Justice
- 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, child welfare, education, juvenile justice, and non-profit organizations that serve children. The major provides comprehensive insight into the issues of child development, as well as knowledge and skills in developmental trauma and intervention. The major also works well for students who 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 advantage in their chosen field of study due to the global influence and impact of the Purvis Institute's Trust-Based Relational Intervention® (TBRI®).

Students who wish to major in child development should first declare a child development pre-major (CHDP) and then apply for the major after their first year. To apply to the major, students must have either a minor OR a second major. Major requirements include having a sophomore standing, a minimum 2.5 GPA, a clear criminal background check (sent to students after the application is screened) and a completed application. Applications are emailed to child development pre-majors at the beginning of the fall and spring semesters.

#### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

## Child Development, BS Requirements

The program of study requires a minimum of 45 hours, on a 120-hour degree, consisting of:

#### Required Courses (30 hours)

CHDV 20123	Trauma-Informed Interventions	3
CHDV 25053	Global Advocacy	3
CHDV 30533	Developmental Research and Evaluation	3
CHDV 35053	Professional Development in Careers with Children	3
CHDV 40493	Family Systems	3
CHDV 40993	Child Development Capstone	3
CHDV 50433	Trauma & Relationships	3
CHDV 50443	Trauma & Behavior	3
CHDV 50533	Case Studies in Child Development	3
PSYC 30323	Child Psychology	3

#### Elective Courses (15 hours)

##### Choose 5 electives:

ARED 40970	Special Problems	1.00-21.00
CHDV 30223	Fundamentals of Play	3
CHDV 40223	Fundamentals of Child Life Practice	3

CHDV 40263	Child Development Internship	3
COSD 10303	Survey of Communication Disorders	3
COSD 30203	Language Development for Non Majors	3
CRJU 30453	Juvenile Justice	3
EDEC 30073	Critical Literacy and Children's Literature	3
EDEC 30103	Introduction to Early Childhood Education	3
EDUC 30143	Child and Adolescent Development	3
EDUC 30603	Study of Exceptional Students	3
FNRT 20903	Children, Creativity and the Fine Arts	3
NTDT 30113	Infant and Child Nutrition	3
NURS 10303	Human Development	3
PSYC 30313	Developmental Psychology	3
PSYC 30363	Abnormal Psychology	3
PSYC 30473	Comparative Psychology	3
PSYC 30483	Human Neuropsychology	3
PSYC 30633	Social and Emotional Development	3
PSYC 40403	Psychology of Counseling	3
PSYC 40433	Advanced Developmental Psychology	3
PSYC 40443	Child Development in a Cultural Context	3
PSYC 40453	Behavior Disorders of Childhood	3
PSYC 40463	Applied Behavior Analysis	3
SOCI 30303	Marriage and the Family	3
SOWO 30433	Social Work Practice with Children	3
SOWO 30573	Child Welfare	3
SOWO 30843	Human Behavior and Social Environment I	3
SOWO 40413	Animal Assisted Therapy and Social Work	3
SOWO 40563	Grief and Loss	3

Independent Studies CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU  
Special Topics/Problems (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)  
CHDV Study Abroad

#### Associated Requirements

MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3
SOCI 20213	Introductory Sociology	3
SOWO 10833	Introduction to Social Work	3

## Child Development, BA Requirements

The program of study requires a minimum of 36 hours, on a 120-hour degree, consisting of:

			SOWO 30433	Social Work Practice with Children	3
			SOWO 30573	Child Welfare	3
			SOWO 30843	Human Behavior and Social Environment I	3
			SOWO 40563	Grief and Loss	3
				Special Topics/Problems (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)	
				CHDV Study Abroad	
			A maximum of six hours of independent study may count toward BA major requirements.		
<b>Required Courses (30 hours)</b>					
CHDV 20123	Trauma-Informed Interventions	3			
CHDV 25053	Global Advocacy	3			
CHDV 30533	Developmental Research and Evaluation	3			
CHDV 35053	Professional Development in Careers with Children	3			
CHDV 40493	Family Systems	3			
CHDV 40993	Child Development Capstone	3			
CHDV 50433	Trauma & Relationships	3			
CHDV 50443	Trauma & Behavior	3			
CHDV 50533	Case Studies in Child Development	3			
PSYC 30323	Child Psychology	3			
<b>Elective Courses (18 hours)</b>					
<b>Choose 2 electives</b>					
ARED 40970	Special Problems	1.00-21.00			
CHDV 30223	Fundamentals of Play	3			
CHDV 40223	Fundamentals of Child Life Practice	3			
CHDV 40263	Child Development Internship	3			
COSD 10303	Survey of Communication Disorders	3			
COSD 30203	Language Development for Non Majors	3			
CRJU 30453	Juvenile Justice	3			
EDEC 30073	Critical Literacy and Children's Literature	3			
EDEC 30103	Introduction to Early Childhood Education	3			
EDUC 30143	Child and Adolescent Development	3			
EDUC 30603	Study of Exceptional Students	3			
FNRT 20903	Children, Creativity and the Fine Arts	3			
NTDT 30113	Infant and Child Nutrition	3			
NURS 10303	Human Development	3			
PSYC 30313	Developmental Psychology	3			
PSYC 30363	Abnormal Psychology	3			
PSYC 30473	Comparative Psychology	3			
PSYC 30483	Human Neuropsychology	3			
PSYC 30633	Social and Emotional Development	3			
PSYC 40403	Psychology of Counseling	3			
PSYC 40433	Advanced Developmental Psychology	3			
PSYC 40443	Child Development in a Cultural Context	3			
PSYC 40453	Behavior Disorders of Childhood	3			
PSYC 40463	Applied Behavior Analysis	3			
SOCI 30303	Marriage and the Family	3			
<b>Associated Requirements</b>					
MATH 10043	Elementary Statistics	3			
PSYC 10213	Introduction to Psychology	3			
SOCI 20213	Introductory Sociology	3			
SOWO 10833	Introduction to Social Work	3			
<b>Child Development Minor Requirements</b>					
The child development minor is a multidisciplinary program drawing upon the strengths of several colleges and disciplines.					
Students wishing to earn the child development minor are required to take 18 hours of coursework.					
<b>Required Course (3 hours)</b>					
CHDV 50533	Case Studies in Child Development	3			
<b>Elective Courses (15 hours)</b>					
Choose five courses; one must be from CHDV.					
ARED 40970	Special Problems	1.00-21.00			
CHDV 20123	Trauma-Informed Interventions	3			
CHDV 25053	Global Advocacy	3			
CHDV 30223	Fundamentals of Play	3			
CHDV 30533	Developmental Research and Evaluation	3			
CHDV 35053	Professional Development in Careers with Children	3			
CHDV 40223	Fundamentals of Child Life Practice	3			
CHDV 40263	Child Development Internship	3			
CHDV 40493	Family Systems	3			
CHDV 40993	Child Development Capstone	3			
CHDV 50433	Trauma & Relationships	3			
CHDV 50443	Trauma & Behavior	3			
COSD 10303	Survey of Communication Disorders	3			
COSD 30203	Language Development for Non Majors	3			
CRJU 30453	Juvenile Justice	3			
EDEC 30073	Critical Literacy and Children's Literature	3			
EDEC 30103	Introduction to Early Childhood Education	3			

EDUC 30143	Child and Adolescent Development	3
EDUC 30603	Study of Exceptional Students	3
FNRT 20903	Children, Creativity and the Fine Arts	3
NTDT 30113	Infant and Child Nutrition	3
NURS 10303	Human Development	3
PSYC 30313	Developmental Psychology	3
PSYC 30323	Child Psychology	3
PSYC 30363	Abnormal Psychology	3
PSYC 30473	Comparative Psychology	3
PSYC 30483	Human Neuropsychology	3
PSYC 30633	Social and Emotional Development	3
PSYC 40403	Psychology of Counseling	3
PSYC 40433	Advanced Developmental Psychology	3
PSYC 40443	Child Development in a Cultural Context	3
PSYC 40453	Behavior Disorders of Childhood	3
PSYC 40463	Applied Behavior Analysis	3
SOCI 30303	Marriage and the Family	3
SOWO 30433	Social Work Practice with Children	3
SOWO 30573	Child Welfare	3
SOWO 30843	Human Behavior and Social Environment I	3
SOWO 40413	Animal Assisted Therapy and Social Work	3
SOWO 40563	Grief and Loss	3
	Special Topics/Problems (CHDV, COSD, EDUC, PSYC, SOWO, SOCI or CRJU)	
	CHDV Study Abroad	

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.

## Combined Science

### Bachelor of Combined Science

A program leading to a Bachelor of Combined Science degree is available for students whose educational goals might not be realized by traditional majors within the College of Science and Engineering.

### Requirements

The program of study requires a minimum of 42 hours, on a 120-hour degree, consisting of:

1. At least 15 hours\* in one department and 12 hours\* in a second department in the College of Science & Engineering.
2. At least 12 hours\* of advanced level (30000 or above) coursework in the College of Science & Engineering taken at TCU.
3. At least 42 hours\* of coursework in the College of Science & Engineering.
4. A GPA of at least 2.00 in coursework used to satisfy requirement #3.

5. A total of 120 semester hours.

\*Each course used in partial fulfillment of this requirement must be applicable to the major or associated requirements for one of the disciplines in the College of Science & Engineering.

All cross listed courses must have prior approval of the Associate Dean.

## 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 College

Computer science and computer information technology majors who are members of the Honors College 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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

## 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.

## Computer Information Technology, BS Requirements

The program of study requires of 45 hours, on a 120-hour degree, consisting of:

### Core Courses

COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
COSC 20803	Data Structures	3
COSC 30003	Introduction to Computer Networks	3
COSC 30603	Database Systems	3
COSC 40053	Computer and Network Security	3
CITE 30103	Unix/Linux System Administration	3
CITE 30133	Advanced System and Network Administration	3
COSC 40233	Cloud Computing	3
CITE 30363	Web Technologies	3
COSC 40943	Software Engineering	3
COSC 40993	Senior Design Project	3
	And 9 hours from CITE or COSC courses at the 30000 level or above	9

**Additional requirements include:**

MATH 10043	Elementary Statistics	3
	OR	
INSC 20153	Statistical Analysis	3
MATH 20123	Discrete Mathematics I	3
MATH 10283	Applied Calculus	3
	OR	
MATH 10524	Calculus I	4

A computer information technology major must have a minimum 2.2 GPA in combined computer science and computer information technology coursework to graduate.

## Computer Information Technology Minor Requirements

**The program of study requires of 18 semester hours including:**

COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
CITE 30103	Unix/Linux System Administration	3
CITE 30133	Advanced System and Network Administration	3
	Additional 6 hours from COSC 20803 and CITE or COSC courses at the 30000 level or above	6

## Computer Science

Computer science is available as a major on the BS degree and as a minor on the BA and BS degrees.

**Honors College**

Computer science and computer information technology majors who are members of the Honors College 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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

**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.

## Computer Science, BS

### Requirements

The program of study requires a minimum of 48 hours, on a 122-hour degree, consisting of:

**Core Requirements**

COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
COSC 20803	Data Structures	3
COSC 30203	Computer System Fundamentals	3
COSC 30253	Computer Organization	3
COSC 30403	Programming Language Concepts	3
COSC 30603	Database Systems	3
COSC 40203	Operating Systems	3
COSC 40403	Analysis of Algorithms	3
COSC 40943	Software Engineering	3
COSC 40993	Senior Design Project	3
CITE 30103	Unix/Linux System Administration	3
	12 hours from CITE 30363 or COSC electives at the 30000 level or above	12

**Associated Requirements:**

17 hours of mathematics are required

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 30123	Discrete Mathematics II	3
MATH 30224	Linear Algebra	4
MATH 10043	Elementary Statistics	3
	OR	
MATH 30853	Statistics	3

**12-16 hours of sciences are required**

PHYS 10154	General Physics I with Laboratory	4
	AND	
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20474	Physics I with Laboratory: Mechanics	4
	AND	
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR any 2 of 3 astronomy courses	
PHYS 10263	Cosmic Origins	3
PHYS 10273	Introductory Astronomy: Earth and Planets	3
PHYS 10293	Archaeoastronomy	3
	Plus TCU Core Curriculum Courses	6-8

A computer science major must have a minimum 2.0 GPA in all computer science coursework to graduate.

## Computer Science Minor

### Requirements

The program of study requires 18 semester hours including:

COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
COSC 20803	Data Structures	3
	And 9 hours from CITE 30103, CITE 30363 or COSC courses at the 30000 level or above	9

## Cultural Awareness in Healthcare

The Cultural Awareness in Healthcare minor is intended as an exploration of the impact of society on health-related topics. Students may choose from a variety of courses that focus on cultural, social and ethical issues that have implications in health and medicine.

## Cultural Awareness in Healthcare

### Minor Requirements

The program of study requires a minimum of 19 hours with courses to be taken from at least three different academic units, as follows:

#### Required Courses (7 hours)

##### Choose 1 (3 hours) from the CULTURE and SOCIETY Group

SOCI 20213	Introductory Sociology	3
ANTH 20623	Introduction to Cultural Anthropology	3

##### Choose 1 (3 hours) from the SOCIAL MEDICINE Group

ANTH 30373	Medical Anthropology	3
SOCI 40523	Health, Illness and Medicine	3

#### Capstone Seminar (1 hour)

SCIE 30601	Cultural Awareness in Healthcare Capstone	1
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#### Electives Courses (12 hours)

ANTH 20623	Introduction to Cultural Anthropology	3
ANTH 30653	Sex, Gender and Culture	3
ANTH 30373	Medical Anthropology	3
BIOL 40001	Honors Seminar	1
BIOL 40110	Topics in Medicine	0.5
BIOL 50910	Biology Seminar	1
CHDV 25053	Global Advocacy	3
CRES 10103	Engaging Difference and Diversity in America	3
ECON 30503	Health Economics	3
ENGL 20713	Literature and Medicine	3
HCOM 20303	Health, Communication & Media	3
HLTH 30213	Health Aspects of Human Sexuality	3
NURS 10403	Introduction to Health Disparities in African Americans	3
NURS 20403	Health Disparities in African Americans	3
PHIL 10433	Freshman Seminar in Philosophy	3
PHIL 20303	Moral Problems	3
PHIL 20313	Death	3

PHIL 20323	Bioethics	3
PHIL 30303	Ethical Theory	3
PSYC 30363	Abnormal Psychology	3
RELI 30723	Religion and Science	3
SCIE 20613	Visual Culture and Medicine	3
SCIE 30603	Religion and Healthcare	3
SOCI 20213	Introductory Sociology	3
SOCI 20223	Social Problems	3
SOCI 30483	Death and Dying: Sociological Viewpoints	3
SOCI 30693	Aging & the Life Course	3
SOCI 30743	Gender and Society	3
SOCI 30783	Sociology of the Body	3
SOCI 40523	Health, Illness and Medicine	3
SOWO 10833	Introduction to Social Work	3
SOWO 30573	Child Welfare	3
SOWO 30863	Social Welfare Policy	3
SOWO 40583	Developmental Disabilities	3
SOWO 40883	Diversity and Social Justice	3

Note that for BIOL 40001, BIOL 50910, PHIL 10433 only some topics count toward the minor.

## Data Science

### Data Science, BS

The BS degree program in Data Science is designed to prepare graduates for a broad set of careers involving the analysis of data.

### Requirements

The program of study requires a minimum of 39 hours in computer science and 27-28 hours in mathematics, on a 120-hour degree, consisting of:

#### Computer Science: 39 Hours

CITE 30103	Unix/Linux System Administration	3
COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
COSC 20803	Data Structures	3
COSC 30103	Introduction to Data Science	3
COSC 30603	Database Systems	3
COSC 40023	Data Mining and Visualization	3
COSC 40403	Analysis of Algorithms	3
COSC 40503	Artificial Intelligence	3
COSC 40523	Deep Learning	3
COSC 40943	Software Engineering	3
COSC 40993	Senior Design Project	3
	3 hours of approved computer science electives at the 30000 level or above	

#### Mathematics: 27-28 Hours

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 20524	Calculus II	4
MATH 30123	Discrete Mathematics II	3

MATH 30224	Linear Algebra	4
MATH 30803	Probability	3
MATH 30853	Statistics	3

**3-4 Hours from:**

MATH 30524	Calculus III	4
MATH 40223	Applied Linear Algebra	3
MATH 40663	Numerical Analysis	3
MATH 40853	Regression & Time Series	3
MATH 40883	Predictive Modeling	3

**Data Science Minor****Requirements**

The program of study requires 18 semester hours including:

**Requirements:**

COSC 10403	Introduction to Programming	3
COSC 20203	Techniques in Programming	3
COSC 20803	Data Structures	3
COSC 30103	Introduction to Data Science	3

**Two of:**

COSC 40023	Data Mining and Visualization	3
COSC 40403	Analysis of Algorithms	3
COSC 40503	Artificial Intelligence	3
COSC 40523	Deep Learning	3

**Earth Systems Science**

The major in earth systems science is available on the BS degree. The curriculum uses a hands-on systems thinking approach while focusing on the integration of the natural sciences, data science, and modern geospatial technologies to understand and develop science-based solutions to current and future challenges of a rapidly changing earth, including areas such as climate, energy, natural hazards, natural resources, pollution control and remediation.

The degree is suitable for students interested in graduate school within a geoscience discipline, interdisciplinary sciences and academic or industry careers at the nexus of science, engineering and technology.

**Administration and Advising**

Each student will work closely with a faculty advisor to prepare a customized program of study with options for pursuing a general track or one of several specialized tracks in geospatial science and technology, hydrologic sciences, biogeochemistry or earth science education.

**Pass/No-Credit Option**

See the Bachelor's Degree Definitions and Regulations in the Bachelor's Degree section of the University requirements.

Up to (but no more than) 3 hours earned in elective courses offered only on a pass/no credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

**Earth Systems Science****Requirements**

The program requires a minimum of 45 hours on a 126-hour degree consisting of:

**Earth Systems Science Fundamentals (22 hours)**

GEOL 10113	Understanding the Earth	3
GEOL 20111	Introduction to the Geological Sciences	1
GEOL 20113	Introduction Earth System Science	3
GEOL 30103	Science and Society	3
GEOL 30243	Sedimentology	3
GEOL 40393	Soils in the Environment	3
GEOL 50443	Natural Hazards and Disasters	3
	OR	
GEOL 50873	Environmental Remote Sensing	3
GEOL 50523	Introduction to Geographic Information Systems	3

**Earth Systems Science Specializations (23 hours)**

**Students select a general track OR ONE of the following four specializations:**

- Geospatial Science and Technology
- Hydrologic Science
- Biogeochemistry
- Earth Science Education

A minimum of 23 additional credit hours are required for the general track or Specialization with a minimum of 5 credit hours from undergraduate research directly related to the Specialization. Courses and research project will be selected in consultation with a departmental advisor.

**Associated Requirements 29 hours (required and elective)**

BIOL 10003	Contemporary Issues in Biology	3
CHEM 10113	General Chemistry I	3
MATH 10043	Elementary Statistics	3
MATH 10524	Calculus I	4
PHYS 10154	General Physics I with Laboratory	4
Science Electives	Science, engineering, math or computer science electives selected with department approval	12

**Engineering**

In developing a strong engineering program within a traditional liberal arts setting, the faculty and staff of the Department of Engineering at TCU, with input from other constituents, have established Program Educational Objectives.

Within a few years of graduation, TCU Engineering graduates are expected to:

1. Be serving others as practicing engineers, or as other service professionals.
2. Be advancing in leadership tracks in industry, government, national service, non-profits, while building reputations as ethical and responsible community members.
3. Be engaged in the pursuit of knowledge and skills through professional development through opportunities and/or graduate education.

Engineering is 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, <http://www.abet.org>.

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 College

Engineering majors who plan to pursue Departmental Honors must be members of the Honors College 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 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

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

Up to (but no more than) three hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science and Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

## Engineering, BS Requirements

The program of study requires a minimum of 67 hours, on a 129-hour degree, consisting of:

ENGR 10032	Static Mechanics	2
ENGR 10033	Engineering Design and Graphics	3
ENGR 10402	Circuit Analysis and Design I	2
ENGR 20404	Circuit Analysis and Design II	4
ENGR 20603	Solid Mechanics I	3
ENGR 20613	Dynamics and Vibrations I	3
ENGR 30014	Materials Science	4
ENGR 30444	Electronics I	4
ENGR 30623	Control Systems I	3
ENGR 30704	Thermal Sciences I	4
ENGR 30903	Issues in Engineering Design	3
ENGR 40203	Engineering Economic Analysis	3
ENGR 40484	Electromechanics	4
ENGR 40903	Systems Design I	3
ENGR 40913	Systems Design II	3

AND

A minimum of 19 semester hours in an engineering emphasis

### The electrical emphasis requirements include

ENGR 20413	Circuit Analysis and Design III	3
ENGR 30454	Electronics II	4
ENGR 30503	Signals and Systems	3
ENGR 30543	Engineering Electromagnetics	3
	6 hours of approved elective courses	6

### The mechanical emphasis requirements include

ENGR 20623	Solid Mechanics II	3
ENGR 30634	Manufacturing I	4
ENGR 30714	Thermal Sciences II	4
ENGR 30861	Mechanical Systems Lab	1
ENGR 40861	Mechanical Systems Lab II	1
ENGR 40871	Thermal Systems Lab II	1
	6 hours of approved elective courses	6

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	Calculus I	4
MATH 20524	Calculus II	4
MATH 30524	Calculus III	4
MATH 30613	Differential Equations	3
MATH 30853	Statistics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
CHEM 10113	General Chemistry I	3
	OR	
CHEM 10013	General Chemistry for Engineering Students	3

### One of: (3 hours)

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3

## TCU Core Curriculum Electives

The humanities and social science components of engineering programs should exhibit both breadth and depth in the subject areas. 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), Association of Computing Machinery (ACM) 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 may be taken up to three (3) times per year. It is administered by the National Council of Examiners for Engineering and Surveying (NCEES). All engineering students are encouraged and advised to take the FE prior to graduation.

## Environmental Science

Environmental science is available as a major on the BS degree and a minor on the BA or BS degrees.

### Administration and Advising

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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

### Course Scheduling

Although taught regularly, not all required courses are scheduled every semester. Exceptions to the major requirements or to course prerequisites will not be made because of failure to complete coursework in a timely fashion. In particular, since they serve as prerequisites to many advanced courses, the foundation courses and associated requirements should be completed as early as possible in a student's academic career.

## Environmental Science, BS

### Requirements

The program of study requires a minimum of 69 hours, on a 125-hour degree, consisting of:

#### FOUNDATIONS (12 hours)

BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
ENSC 10143	Contemporary Environmental Issues	3
GEOL 10113	Understanding the Earth	3

#### FUNDAMENTALS (16 hours)

BIOL 30403	Ecology and the Environment	3
ENSC 30113	Weather and Climate	3
ENSC 30143	Introduction to Sustainability Science	3
ENSC 30443	Earth Materials	3
ENSC 30493	The Water Planet	3
ENSC 40001	Scientific Presentations	1

#### Choose one From REGULATORY GROUP:

ENSC 50693	Natural Resources Compliance	3
ENSC 50703	Environmental Compliance	3
ENSC 50713	Phase I and Phase II Environmental Site Assessment	3
ENSC 50743	Environmental Impact Statements	3

#### Choose one From FIELD EXPERIENCE GROUP:

ENSC 30313	Sustainable Development in Costa Rica	3
ENSC 30403	Field Experience	3
ENSC 30453	Wildlife Research Project	3
ENSC 40013	Environmental Internship	3
ENSC 40603	South African Biodiversity and Human Development Part 1	3

\*Electives and Field Experience must be approved by department

#### Associated Requirements (36-37 semester hours)

CHEM 10113	General Chemistry I	3
CHEM 10122	General Chemistry II Laboratory	2
CHEM 10123	General Chemistry II	3
MATH 10043	Elementary Statistics	3
MATH 10054	Precalculus with Trigonometry	4
PHYS 10154	General Physics I with Laboratory	4

#### 18 additional hours of

Electives selected with regard to the interest of the student as approved by the department with no more than 6 hours outside the College of Science & Engineering. Other CSE courses may be approved by the advisor.

## Environmental Science Minor Requirements

The program of study requires a minimum of 18 hours including a minimum of three upper-division (30000 or above) courses.

No grade lower than C- may be applied to the minor.

#### Foundations - 6 hours chosen from

BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
BIOL 30403	Ecology and the Environment	3
ENSC 30113	Weather and Climate	3
ENSC 30143	Introduction to Sustainability Science	3
ENSC 30443	Earth Materials	3
GEOL 10113	Understanding the Earth	3

9 additional hours of electives with no more than 6 hours outside ENSC. These electives must be approved by the department.

If ENSC 10143 is required for a student's major or another minor, the student will choose an additional ENSC course as a substitution.

#### Required (3 hours)

ENSC 10143	Contemporary Environmental Issues	3
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## Geology

Geology is available as a major or minor on both the BA and BS degrees.

#### Honors College

Geology majors who plan to pursue Departmental Honors must be members of the Honors College 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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.



Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

## Course Scheduling

Although taught regularly, not all required courses are scheduled every semester. Exceptions to the major requirements or to course prerequisites will not be made because of failure to complete coursework in a timely fashion. In particular, since they serve as prerequisites to many advanced courses, the foundation courses and associated requirements should be completed as early as possible in a student's academic career.

## Geology Student Organizations

### Sigma Gamma Epsilon

The department is a sponsor of Sigma Gamma Epsilon, the Honor Society for Research in the Earth Sciences. The department also hosts the TCU Geology Society, a club for any student interested in geology.

## Geology, BS

### Requirements

The program of study requires a minimum of 33 hours, on a 126-hour degree, consisting of:

#### Core Requirements

GEOL 10113	Understanding the Earth	3
GEOL 20111	Introduction to the Geological Sciences	1
GEOL 30213	Mineralogy	3
GEOL 30223	Petrology	3
GEOL 30243	Sedimentology	3
GEOL 30423	Structural Geology	3
GEOL 30573	Stratigraphy	3
GEOL 40313	Invertebrate Paleontology	3
GEOL 40516	Summer Field Course in Geology	6
GEOL 40892	Senior Thesis	2
	6 hours of approved elective courses	6

#### Associated Requirements: 32-36 Hours

ENSC 10143	Contemporary Environmental Issues	3
MATH 10524	Calculus I	4
PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
MATH 20524	Calculus II	4
MATH 10043	Elementary Statistics	3
	OR	
INSC 20153	Statistical Analysis	3

### Electives: 9 hours of science electives, selected with regard to the interest of the student and approved by the department.

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.

Students planning to attend graduate school are strongly advised to take MATH 20524.

## Geology, BA

### Requirements

The program of study requires a minimum of 24 hours, on a 120-hour degree, consisting of:

#### Core Requirements

GEOL 10113	Understanding the Earth	3
GEOL 30213	Mineralogy	3
GEOL 30223	Petrology	3
GEOL 30243	Sedimentology	3
GEOL 30423	Structural Geology	3
GEOL 30573	Stratigraphy	3
GEOL 40313	Invertebrate Paleontology	3
ENSC 10143	Contemporary Environmental Issues	3

#### Associated Requirements:

CHEM 10113	General Chemistry I	3
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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

### Requirements

The minor in geology requires a total of 18 semester hours in geology approved by the department of which 9 semester hours must be at the 30000 level or above. No grade lower than C- may be applied to the minor.

## 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, MATH 10524 and MATH 20524.

Students majoring in business ordinarily select from a MATH 10273 / MATH 10283 or a MATH 10054 / MATH 10524 sequence.

Credit will not be given for both MATH 10273 and MATH 10054, or for both MATH 10283 and MATH 10524.

The hours requirement of the mathematics majors and minors may be reduced with department permission if the student transfers credit for a course equivalent to a TCU Mathematics course taken at a college or university that awards fewer credits for the course than does TCU. For example, if the student is awarded transfer credit for Math 10524 from a college or university that awards 3 credit hours, then the department may allow a corresponding 1-hour reduction to the total posted required hours for the major or minor. At the department's discretion,

such reductions may be accumulated to account for multiple transfer courses.

### Honors College

Mathematics majors who plan to pursue Departmental Honors must earn a BS and be members of the Honors College. A minimum 3.5 GPA in the major is required. Students must pass MATH 40000 with a C- or better. MATH 30000 is recommended. Departmental Honors further require satisfactory presentation of thesis results to faculty.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

### 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 the Gamma Xi Chapter of Gamma Iota Sigma, an international professional fraternity organized to promote, encourage, and sustain

student interest in insurance, risk management, and actuarial science as professions.

## Actuarial Science, BA Requirements

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.

Credit is not allowed for both MATH 10283 and MATH 10524.

## Requirements

### Mathematics Courses

The program of study requires a minimum of 31 hours, with a grade of C- or better, on a 120-hour degree.

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 20524	Calculus II	4
MATH 30224	Linear Algebra	4
MATH 30524	Calculus III	4
MATH 30603	Interest Theory	3
MATH 30803	Probability	3
MATH 30853	Statistics	3
MATH 40603	Actuarial Mathematics	3

### Associated Requirements (27-32 hours):

ECON 10223	Introductory Microeconomics	3
ECON 10233	Introductory Macroeconomics	3
ECON 30223	Intermediate Microeconomics	3
	OR	
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3
ACCT 20353	Fundamentals of Accounting	3
ACCT 40163	Accounting for Decision Making & Control	3

FINA 30153	Financial Management	3
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### One of:

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3
PHYS 20323	Scientific Analysis & Modeling	3

### Two of the following:

COSC 20203	Techniques in Programming	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

Note: ECON 31223 can be applied to satisfy associated requirements from two of the above lists

## Actuarial Science, BS Requirements

Students seeking the BS degree are advised to consider an optional minor in economics. All actuarial students need to work closely with an adviser to plan course schedules.

Credit is not allowed for both MATH 10283 and MATH 10524.

## Requirements

### Mathematics Courses

The program of study requires a minimum of 43 hours, with a grade of C- or better, on a 120-hour degree.

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 20524	Calculus II	4
MATH 30224	Linear Algebra	4
MATH 30524	Calculus III	4
MATH 30603	Interest Theory	3
MATH 30623	Interest Theory II	3
MATH 30803	Probability	3
MATH 30853	Statistics	3
MATH 40603	Actuarial Mathematics	3

### At least one of:

MATH 40853	Regression & Time Series	3
	OR	
MATH 40883	Predictive Modeling	3
	AND	
6 hours of approved electives 30000+		6

### Associated Requirements (27-32 hours):

ECON 10223	Introductory Microeconomics	3
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ECON 10233	Introductory Macroeconomics	3
ECON 30223	Intermediate Microeconomics	3
	OR	
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 30233	Intermediate Macroeconomics	3
ACCT 20353	Fundamentals of Accounting	3
ACCT 40163	Accounting for Decision Making & Control	3
FINA 30153	Financial Management	3

**Two of the following:**

COSC 20203	Techniques in Programming	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

Note: ECON 31223 can be applied to satisfy associated requirements from two of the above lists

**One of:**

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3
PHYS 20323	Scientific Analysis & Modeling	3

**Mathematics, BA**

For a student taking a major in mathematics (BA), the recommended sequence for the first four semesters is MATH 10524, MATH 20524, MATH 30224 and MATH 30524. In either the first or second semester the student should also complete COSC 10403 or COSC 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 MATH 10524.

**Requirements**

The program of study requires a minimum of 28 hours, with a grade of C- or better, on a 120-hour degree consisting of:

**Core Courses**

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 20524	Calculus II	4
MATH 30224	Linear Algebra	4
MATH 30524	Calculus III	4
MATH Additional Math	9 hours of approved electives 30000 level or above	9

**Also required:**

One of the following:

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3
PHYS 20323	Scientific Analysis & Modeling	3

**Any two of the following:**

COSC 20203	Techniques in Programming	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

**Mathematics, BS**

For a student taking a major in mathematics (BS), the recommended sequence for the first four semesters is MATH 10524, MATH 20123 and MATH 20524, MATH 30224 and MATH 30524, MATH 30053. The student should also complete COSC 10403 or COSC 10503 in the first two years.

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 MATH 10524.

**Requirements**

The program of study requires a minimum of 46 hours, with a grade of C- or better, on a 120-hour degree consisting of:

**Core Courses**

MATH 10524	Calculus I	4
MATH 20123	Discrete Mathematics I	3
MATH 20524	Calculus II	4
MATH 30053	Introduction to Mathematical Proof	3
MATH 30224	Linear Algebra	4
MATH 30524	Calculus III	4

**One of the following two tracks:**

	Track 1	
MATH 30803	Probability	3
MATH 50253	Abstract Algebra I	3
MATH 50503	Real Analysis I	3
MATH	15 hours of electives 30000 or above	15
	OR	
	Track 2	
MATH 30613	Differential Equations	3
MATH 30853	Statistics	3

	3 hours from:	
MATH 40223	Applied Linear Algebra	3
MATH 40663	Numerical Analysis	3
MATH 40853	Regression & Time Series	3
MATH 40883	Predictive Modeling	3
	9 more hours from:	
MATH 30803	Probability	3
MATH 40103	Graph Theory	3
MATH 40223	Applied Linear Algebra	3
MATH 40553	Modern Fourier Analysis	3
MATH 40643	Dynamical Systems	3
MATH 40653	Game Theory	3
MATH 40663	Numerical Analysis	3
MATH 40853	Regression & Time Series	3
MATH 40883	Predictive Modeling	3
MATH 50403	Complex Analysis	3
MATH 50503	Real Analysis I	3
MATH 50613	Partial Differential Equations	3
MATH 50623	Applied Mathematics I	3
	6 hours of approved electives 30000+	6

**Associated requirements (9-11 hours):****One of the following:**

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3
PHYS 20323	Scientific Analysis & Modeling	3

**Two of the following:**

COSC 20203	Techniques in Programming	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

## Mathematics Actuarial Minor Requirements

The program of study requires a minimum of 18 hours, with a grade of C- or better, consisting of:

MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 30524	Calculus III	4

**An additional 6-hour sequence chosen from either****FM Sequence**

MATH 30603	Interest Theory	3
MATH 30623	Interest Theory II	3

**P Sequence**

MATH 30803	Probability	3
MATH 40603	Actuarial Mathematics	3

**Associated Requirements:**

ECON 10223	Introductory Microeconomics	3
ECON 10233	Introductory Macroeconomics	3

All actuarial students need to work closely with an adviser to plan course schedules and understand the requirements of the Society of Actuaries.

## Mathematics Minor

### Mathematics Minor Requirements

The program of study requires a minimum of 18 hours, with a grade of C- or better, consisting of:

**Core Courses**

MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 30224	Linear Algebra	4

**And an additional 6 semester hours from among**

MATH 20123	Discrete Mathematics I	3
	Courses at or above the 30000 level	

**Required**

One of:

COSC 10403	Introduction to Programming	3
COSC 10503	Introduction to Programming for Engineering & Science	3
COSC 10603	Introduction to Python for Data Analytics	3
ENGR 10573	Applied Programming Matlab	3
PHYS 20323	Scientific Analysis & Modeling	3

## Mathematics Certification, Secondary and Middle School

Students seeking certification for 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.

## 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, 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 120 semester hours is required. Students may obtain information and/or advisement from the Department of Psychology.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

## Neuroscience, BS Requirements

The program of study requires a minimum of 79 hours, on a 120-hour degree, consisting of:

### Biology (20 hours)

#### A. Required courses (8 hours):

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3

#### B. Minimum of 12 hours selected from:

BIOL 30304	Microbiology	4
BIOL 30404	Comparative Vertebrate Anatomy	4
BIOL 30414	Human Anatomy	4
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 30803	Human Parasitology	3
BIOL 30843	Biomedical Imaging	3
BIOL 40123	Genetics	3
BIOL 40133	Molecular Basis of Human Disease	3
BIOL 40203	Histology	3
BIOL 40224	Developmental Biology	4
BIOL 40254	Immunology	4
BIOL 40403	Mammalian Physiology	3
BIOL 40603	Virology	3

### Chemistry and Biochemistry (21-24 hours)

#### A. Required courses (18 hours):

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30123	Organic Chemistry I	3
CHEM 30133	Organic Chemistry II	3
CHEM 30143	Organic Qualitative Analysis	3

#### B. 3-6-hours, select-one-option:

##### Option I (3 hours)

BIOL 40513	Fundamentals of Biochemistry	3
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##### Option II (6 hours)

CHEM 50133	Biochemistry I	3
CHEM 50143	Biochemistry II	3

### Psychology (23 hours)

#### A. Required courses (8 hours):

PSYC 10514	Principles of Behavior I	4
PSYC 10524	Principles of Behavior II	4

Students who have completed PSYC 10213 *prior to* declaring a Neuroscience major or transferring to TCU may substitute PSYC 10213 and 6 hours of upper-level psychology for this requirement. The 6 upper-level hours are in addition to those listed under B and C.

#### B. Minimum of 6 hours selected from:

PSYC 30363	Abnormal Psychology	3
PSYC 30414	Experimental Psychology: Learning	4
PSYC 30423	Experimental Psychology: Perception	3
PSYC 30433	Experimental Psychology: Motivation	3
PSYC 30473	Comparative Psychology	3
PSYC 30503	Research Methods in Psychology	3
PSYC 30523	Experimental Psychology: Cognition	3

#### C. Minimum of 9 hours selected from:

PSYC 30463	Introductory Neuroscience	3
PSYC 30483	Human Neuropsychology	3
PSYC 50463	Functional Neuroanatomy	3
PSYC 50513	Psychopharmacology	3

### Physics (8 hours)

PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4

### Mathematics and Computer Science (minimum of 6 hours):

MATH 10043	Elementary Statistics	3
MATH 10524	Calculus I	4
COSC 10603	Introduction to Python for Data Analytics	3

## 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:

- Combined BS/MS in Dietetics
- Didactic Program in Dietetics
- Nutrition
- Food Management

All BS degrees in nutritional sciences follow the TCU Core Curriculum requirements for the College of Science & Engineering.

### Honors College

Nutritional sciences majors who plan to pursue Departmental Honors must be members of the Honors College and should enroll in NTDT 30001 during their junior year and NTDT 40001 their senior year.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

### 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 also sponsors a chapter of the Texas Student Dietetic Association. All NTDT majors are encouraged to join the Academy of Nutrition and Dietetics as well as the state and local chapters. The TCU Food Recovery Network (FRN) is a student organization housed in the Department of Nutritional Sciences. FRN membership is open to any student on campus. NTDT majors are encouraged to join.

## Combined BS/MS in Dietetics (Option I)

### Mission

The mission of the Combined BS/MS in Dietetics is to support the missions of the University, college and department by fostering a rigorous academic curriculum culminating in a Master of Science degree with a concentration in nutrition education that prepares students to be scientifically competent, accountable and ethically responsible citizens who are prepared to be productive, leaders and research-literate professionals and entry-level registered dietitian nutritionists in the global community.

### Program of Study

The Combined BS/MS in Dietetics offers students the unique opportunity to complete the required didactic instruction (lecture and laboratory courses) and supervised practice experience hours necessary to meet the Core Knowledge and Competencies for the Registered Dietitian Nutritionist as mandated by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) in five years. Curriculum is based on educational standards mandated by ACEND. Graduates receive verification and establish eligibility to write the Registration Examination for Dietitians.

Admission to TCU is required for all programs; however, admission to the University does not guarantee admission to the Combined BS/MS in Dietetics. Eligibility for admission to the Combined BS/MS in Dietetics is based on successful completion of at least 60 semester hours with a minimum 3.0 GPA in required Nutrition (NTDT) classes and an Associated Requirements GPA of 2.75, no more than three grades below a B- in the Associated Requirements, 45 semester hours of required prerequisites and major courses, 200 hours of documented food or nutrition practical experience, and an application packet.

Application packets for the Combined BS/MS in Dietetics must be received by Feb. 1 (typically of the sophomore year), and applicants are notified of provisional acceptance by April 15. Students who are provisionally accepted begin the program in August of the following academic year (typically the junior year). Final acceptance/enrollment in the Combined BS Dietetics depends on successful completion of required prerequisite courses and summer requirements.

Students must apply for graduate school admission during the last fall semester before graduating with the BS in Dietetics (typically the senior fall semester) through the University's Online Graduate Application portal. Current graduate application fees apply. Students must comply with all university and college requirements for graduate students to gain admission. Conditional admission to the MS in Dietetics program is granted to applicants who have completed all admission formalities and have a superior undergraduate record but who have not completed undergraduate requirements. Conditional admission will be changed to unconditional admission when the necessary prerequisites and/or admission formalities are fulfilled. Students must abide by all program policies and procedures in order to continue in the MS in Dietetics program.

A student's continuation in the Combined BS/MS in Dietetics is contingent upon attainment of a strong academic record and successful completion of the program sequence.

In order to earn the BS in Dietetics degree, the student must attain a minimum GPA of 3.0 in required NTDT courses, earn a grade of "C-" or better in all required NTDT courses and Associated Requirements, have no more than three grades below a "B-" in the Associated Requirements, complete a minimum of 126 hours and meet all of the requirements of the university and college. Students who do not meet all of these requirements for graduation with a BS in Dietetics or the requirements for admission into the graduate program may change their major to Nutrition or another major in order to graduate with a bachelor's degree, but cannot continue in the Combined BS/MS in Dietetics. Students who do not meet all of the requirements to continue in the Combined BS/MS in Dietetics have the option to pursue verification from the TCU Didactic Program in Dietetics (DPD) in order to be eligible to pursue a Dietetic Internship upon graduation and/or graduate with a BS in either Nutrition or Dietetics. Students must formally apply to the DPD and satisfy all DPD requirements for verification. Acceptance into the DPD is not guaranteed. Students are required to abide by all DPD policies and procedures.

Students can graduate with a BS in Dietetics and begin the graduate program, but they will not earn verification to take the Registration

Examination for Dietitians if they are unable to complete the graduate degree requirements and do not earn the MS in Dietetics degree. In order to earn the MS degree, the student must attain a minimum graduate NTDT GPA of 3.0 and earn a grade of "C-" or better in all NTDT graduate courses. In addition, all final 50000- and 60000-level course grades will be included in the computation of the graduate GPA, but no more than two grades below a "B-" or lower may be used in satisfying the degree requirements.

Students complete 12 hours of dual undergraduate/graduate credit toward the MS in Dietetics during the fourth year of undergraduate study. At the end of the fourth year, assuming that all other undergraduate graduation requirements are met, the student earns the BS degree in Dietetics. Beginning with the summer session following graduation in May the student completes the remaining 19 graduate credit hours (10 of coursework, 9 of supervised practice) toward the MS in Dietetics degree. Students pursuing the thesis option take an additional 6 credit hours. Students intending to pursue the Combined BS/MS in Dietetics must earn a BS in Dietetics from TCU. In addition, all 30000-, 40000-, 50000- and 60000-level NTDT courses must be taken at TCU, with the exception of NTDT 30123 Nutrition Throughout the Life Cycle and NTDT 30331 Medical Terminology.

Information about costs for tuition and university fees are available through the TCU Office of Admission or Financial Services. More detailed costs for students are outlined in the Combined BS/MS in Dietetics Student Handbook and include approximately \$1,000-\$1,500 per year for travel to supervised practice sites, vaccinations, lab fees, photocopying, school and office supplies, textbooks, lab coats, malpractice insurance and professional dues. The TCU Combined BS/MS in Dietetics is accredited by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plaza, Suite 2190, Chicago, Ill. 60606-6995, (312) 899-0040, ext. 5400, [www.eatright.org/ACEND](http://www.eatright.org/ACEND).

## Requirements

### Major Requirements

NTDT 10003	Contemporary Issues in Nutrition	3
NTDT 10103	Food Preparation	3
NTDT 20403	Nutrition	3
NTDT 21163	Food and Culture	3
NTDT 30123	Nutrition Throughout the Life Cycle	3
NTDT 30133	Meal Management	3
NTDT 30144	Quantity Food Production	4
NTDT 30233	Essentials of Dietetics Practice	3
NTDT 30303	Communication and Education for Food, Nutrition, and Dietetics	3
NTDT 30313	Food Systems Management	3
NTDT 30331	Medical Terminology	1
NTDT 30333	Medical Nutrition Therapy I	3
NTDT 40303	Supervised Practice I	3
NTDT 40313	Supervised Practice II	3
NTDT 40333	Medical Nutrition Therapy II	3
NTDT 40343	Nutritional Biochemistry	3
NTDT 40403	Research Methods in Nutrition	3
NTDT 40413	Business Principles in Dietetics	3
NTDT 40603	Nutrition Counseling	3

### Students earn dual undergraduate and graduate credit in the following courses for the Combined BS/MS in Dietetics:

NTDT 55323	Gut Microbiota and Health	3
NTDT 55343	Biochemical, Physiological, and Molecular Aspects of Human Nutrition	3
NTDT 55363	Community Nutrition and Public Health	3

NTDT 55973	Nutritional Sciences Seminar	3
<b>Associated Requirements</b>		
CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
CHEM 30123	Organic Chemistry I	3
BIOL 20214	Anatomy and Physiology	4
BIOL 20234	Microbiology of Human Disease	4
MATH 10043	Elementary Statistics	3
ECON 10223	Introductory Microeconomics	3
	OR	
ECON 10233	Introductory Macroeconomics	3
PSYC 10213	Introduction to Psychology	3
SOCI 20213	Introductory Sociology	3
MANA 30653	Survey of Management	3
MARK 30653	Principles of Marketing	3

No minor is required.

All upper-level (30000 and 40000) NTDT courses, with the exception of NTDT 30123 Nutrition Throughout the Lifecycle and NTDT 30331 Medical Terminology, must be taken at TCU.

Refer to the Graduate Catalog for remaining course requirements for the MS in Dietetics.

## 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 Core Knowledge for the Registered Dietitian as mandated in the Accreditation Standards of the Accreditation Council for Education in Nutrition and Dietetics (ACEND). 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.

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 Didactic Program in Dietetics is based on completion of at least 60 semester hours with a cumulative GPA of at least 3.0 for nutrition, (NTDT) classes; and an Associated Requirements GPA of at least 2.75, no more than 3 grades below a "B-" in the Associated Requirements, 45 semester hours of required prerequisites and major courses, 200 hours of documented food or nutrition practical experience and an application packet. Application packets for the Didactic Program in Dietetics must be received by Feb. 1, and applicants are notified of provisional acceptance by April 15. Students must earn a grade "C-" or better in all NTDT and Associated Requirement courses taken prior to admission. 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. Students must complete 500 hours of documented food or nutrition practical experience prior to the completion of their final semester in the Didactic Program in Dietetics. Upon graduation, the student must attain a minimum nutrition (NTDT) GPA of 3.0, earn a "C-" or better in all NTDT and Associated Requirement courses, and a maximum of three grades below a "B-" in

the 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 accredited by the Accreditation Council for Education in Nutrition and Dietetics 120 S. Riverside Plaza, Suite 2190, Chicago, Ill. 60606-6995, (312) 899-0040, ext. 5400, [www.eatright.org/ACEND](http://www.eatright.org/ACEND).

## Requirements

The program of study requires a minimum of 58 hours, on a 125-hour degree, consisting of:

### Major Requirements

NTDT 10003	Contemporary Issues in Nutrition	3
NTDT 10103	Food Preparation	3
NTDT 20403	Nutrition	3
NTDT 21163	Food and Culture	3
NTDT 30101	DPD Seminar I	1
NTDT 30123	Nutrition Throughout the Life Cycle	3
NTDT 30133	Meal Management	3
NTDT 30144	Quantity Food Production	4
NTDT 30233	Essentials of Dietetics Practice	3
NTDT 30303	Communication and Education for Food, Nutrition, and Dietetics	3
NTDT 30313	Food Systems Management	3
NTDT 30331	Medical Terminology	1
NTDT 30333	Medical Nutrition Therapy I	3
NTDT 40101	DPD Seminar II	1
NTDT 40333	Medical Nutrition Therapy II	3
NTDT 40343	Nutritional Biochemistry	3
NTDT 40403	Research Methods in Nutrition	3
NTDT 40413	Business Principles in Dietetics	3
NTDT 40603	Nutrition Counseling	3
NTDT 50323	Gut Microbiota and Health	3
NTDT 50363	Community Nutrition and Public Health	3

### Associated Requirements

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
CHEM 30123	Organic Chemistry I	3
BIOL 20214	Anatomy and Physiology	4
BIOL 20234	Microbiology of Human Disease	4
MATH 10043	Elementary Statistics	3
ECON 10223	Introductory Microeconomics	3
	OR	
ECON 10233	Introductory Macroeconomics	3
SOCI 20213	Introductory Sociology	3
PSYC 10213	Introduction to Psychology	3
MANA 30653	Survey of Management	3

MARK 30653 Principles of Marketing 3  
No minor is required.

All upper-level (30000 and 40000) NTDT courses, with the exception of NTDT 30123 Nutrition Throughout the Lifecycle and NTDT 30331 Medical Terminology, must be taken at TCU.

## 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, physician assistant (physician associate), 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 should consult with their advisers on the specific course requirements for entering postgraduate work in the health professions. Additional coursework may be necessary to complete coursework requirements for some professional schools. The nutrition major does not meet Didactic Program in Dietetics (DPD) requirements to progress towards becoming a Registered Dietitian Nutritionist. Additional coursework is necessary to fulfill DPD requirements.

## Requirements

The program of study requires a minimum of 47 NTDT hours on a 120-hour degree, consisting of the following 38-41 NTDT credit hours:

### Major Requirements

NTDT 10003	Contemporary Issues in Nutrition	3
NTDT 10103	Food Preparation	3
NTDT 20403	Nutrition	3
NTDT 21163	Food and Culture	3
NTDT 30123	Nutrition Throughout the Life Cycle	3
NTDT 30133	Meal Management	3
	OR	
NTDT 50223	Culinary Medicine Seminar	3
NTDT 30144	Quantity Food Production	4
NTDT 30303	Communication and Education for Food, Nutrition, and Dietetics	3
NTDT 30331	Medical Terminology	1
NTDT 30233	Essentials of Dietetics Practice	3
NTDT 30333	Medical Nutrition Therapy I	3
NTDT 40333	Medical Nutrition Therapy II	3
NTDT 40343	Nutritional Biochemistry	3
	OR	
BIOL 40513	Fundamentals of Biochemistry (requires additional pre-requisite courses)	3
NTDT 40403	Research Methods in Nutrition	3

### Major Electives - Students may choose from the following NTDT courses for the remaining NTDT 6-9 credit hours

NTDT 30163	Sports Nutrition	3
NTDT 30313	Food Systems Management	3
NTDT 30643	Veganism, Sustainability, and Plant-based Food Studies	3
NTDT 40413	Business Principles in Dietetics	3
NTDT 40603	Nutrition Counseling	3
NTDT 50323	Gut Microbiota and Health	3
NTDT 50363	Community Nutrition and Public Health	3

### Associated Requirements

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
CHEM 30123	Organic Chemistry I	3
BIOL 20214	Anatomy and Physiology	4
	OR	
BIOL 40403	Mammalian Physiology (requires additional pre-requisite courses)	3
BIOL 20234	Microbiology of Human Disease	4
	OR	
BIOL 30304	Microbiology	4
MATH 10043	Elementary Statistics	3
ECON 10223	Introductory Microeconomics	3
	OR	
ECON 10233	Introductory Macroeconomics	3
SOCI 20213	Introductory Sociology	3
PSYC 10213	Introduction to Psychology	3
MANA 30653	Survey of Management	3
MARK 30653	Principles of Marketing	3

No minor is required.

All upper-level (30000 and 40000) NTDT courses, with the exception of NTDT 30123 Nutrition Throughout the Lifecycle and NTDT 30331 Medical Terminology, must be taken at TCU.

Students may not take both NTDT 30133 and NTDT 50223.

## 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 general business minor is recommended. A minimum 2.7 GPA is required to graduate with a major in food management.

## Requirements

The program of study requires a minimum of 120-hours, consisting of:

### Major Requirements

NTDT 10003	Contemporary Issues in Nutrition	3
NTDT 10103	Food Preparation	3



NTDT 20403	Nutrition	3
NTDT 21163	Food and Culture	3
NTDT 30103	Gourmet Foods	3
NTDT 30123	Nutrition Throughout the Life Cycle	3
NTDT 30133	Meal Management	3
NTDT 30144	Quantity Food Production	4
NTDT 30303	Communication and Education for Food, Nutrition, and Dietetics	3
NTDT 30313	Food Systems Management	3
NTDT 40960	Food Management Supervised Practical Experience (Food Management Practical Experience 16-22 hours required for major)	1.00-6.00

### Associated Requirements

ACCT 20653	Introduction to Accounting	3
BIOL 20234	Microbiology of Human Disease	4
ECON 10223	Introductory Microeconomics	3
MATH 10043	Elementary Statistics	3
FINA 30653	Financial Planning	3
MANA 30653	Survey of Management	3

### Minor Requirements

General business; film, television and digital media or other approved minor.

## Nutrition Minor Requirements

The program of study requires a minimum of 19 hours consisting of:

### Required courses

NTDT 10003	Contemporary Issues in Nutrition OR	3
NTDT 10103	Food Preparation	3
NTDT 20403	Nutrition	3
NTDT 30113	Infant and Child Nutrition OR	3
NTDT 30123	Nutrition Throughout the Life Cycle	3
NTDT 30331	Medical Terminology	1
NTDT 30233	Essentials of Dietetics Practice	3

### The final two courses (6 hours) may be selected from:

NTDT 30133	Meal Management	3
NTDT 30163	Sports Nutrition	3
NTDT 30333	Medical Nutrition Therapy I	3
NTDT 30433	Issues and Insights in Foods and Nutrition	3
NTDT 30643	Veganism, Sustainability, and Plant-based Food Studies	3
NTDT 30993	A Global Perspective in Food Insecurity	3

NTDT 40333	Medical Nutrition Therapy II	3
NTDT 40343	Nutritional Biochemistry	3
NTDT 40403	Research Methods in Nutrition	3
NTDT 50363	Community Nutrition and Public Health	3

All courses for the minor must be completed with a grade of "C" or better.

## Physics & Astronomy

Physics and astronomy are available as a major or minor on both the BA and BS degrees.

### Honors College

Physics and astronomy majors who plan to pursue Departmental Honors must be enrolled in the Honors College. Students should take PHYS 30003 their junior year and PHYS 40003 their senior year.

### Pass/No-Credit Option

See the Bachelor's Degree Definitions and Regulations (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

### Dual Credit

Students may not earn credit for PHYS 20475/20485 and PHYS 20474/20484 and/or PHYS 10154/10164. Only one of these pairings will count as credit towards the degree.

### Physics & Astronomy Honor Societies

The department sponsors Sigma Pi Sigma, the national honor society in physics.

## Physics, BS Requirements

The program requires a minimum of 47 hours, on a 120-hour degree, consisting of:

### Core Courses

PHYS 10901	First-Year Physics and Astronomy Seminar	1
PHYS 20323	Scientific Analysis & Modeling	3
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20485	Physics II for Majors	5
PHYS 30313	Theoretical Methods in Physics	3
PHYS 30483	Physics III Laboratory	3
PHYS 30493	Physics III Modern Physics	3
PHYS 30553	Mechanics	3
PHYS 40653	Electromagnetic Fields	3

### 6 hours selected from

PHYS 30603	Thermal Physics	3
PHYS 40113	Elements of Quantum Mechanics	3
PHYS 40663	Electromagnetic Radiation and Optics	3
PHYS 40003	Senior Honors Research in Physics or Astronomy	3

Students planning to attend graduate school will be expected to take all three courses

**12 additional hours of 30000+ physics classes. No more than 3 hours from Research (PHYS 40003 or PHYS 40103) may be used to fulfill this requirement.**

### Associated Requirements

Twenty-one hours of mathematics are required, including

MATH 10524	Calculus I	4
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MATH 20524	Calculus II	4
MATH 30524	Calculus III	4
MATH 30613	Differential Equations	3
CHEM 10113	General Chemistry I	3

Students planning to attend graduate school should take MATH 50613.

**Study of a modern language is recommended**

## Physics, BA

### Requirements

The program requires a minimum of 26 hours, on a 120-hour degree, consisting of:

**26 hours in physics, including:**

PHYS 10901	First-Year Physics and Astronomy Seminar	1
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20485	Physics II for Majors	5
PHYS 30493	Physics III Modern Physics	3

PHYS 10154 and PHYS 10164 or PHYS 20474 and PHYS 20484 may be taken in place of PHYS 20475 and PHYS 20485 with permission.

#### Associated Requirements

12 hours of mathematics are required, including:

MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 30224	Linear Algebra	4

No minor from the Physics & Astronomy Department may be combined with the PHYS-BA.

## Astronomy & Physics, BS

### Requirements

The program of study requires a minimum of 47 hours, on a 120-hour degree, consisting of:

#### Core Courses

PHYS 10901	First-Year Physics and Astronomy Seminar	1
PHYS 10263	Cosmic Origins	3
PHYS 10273	Introductory Astronomy: Earth and Planets	3
PHYS 20323	Scientific Analysis & Modeling	3
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20485	Physics II for Majors	5
PHYS 30113	Intermediate Astronomy	3
PHYS 30123	Observational Astronomy	3
PHYS 30313	Theoretical Methods in Physics	3
PHYS 30493	Physics III Modern Physics	3
PHYS 50743	Stellar Astrophysics	3

**12 Additional hours of 30000+ level physics classes. Not more than 3 hours from Research (PHYS 40003 or PHYS 40103) can be used to fulfill this requirement.**

#### Associated Requirements

MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 30613	Differential Equations	3
MATH 30524	Calculus III	4

CHEM 10113	General Chemistry I	3
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**It is recommended that students planning to attend graduate school take**

PHYS 30553	Mechanics	3
PHYS 30603	Thermal Physics	3
PHYS 40113	Elements of Quantum Mechanics	3
PHYS 40653	Electromagnetic Fields	3
MATH 50613	Partial Differential Equations	3

Study of a modern language is recommended.

## Biophysics, BS

### Requirements

The program of study requires a minimum of 35 hours on a 120-hour degree, consisting of:

#### Core Courses (29 hours)

PHYS 10901	First-Year Physics and Astronomy Seminar	1
PHYS 20323	Scientific Analysis & Modeling	3
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20485	Physics II for Majors	5
PHYS 30313	Theoretical Methods in Physics	3
PHYS 30493	Physics III Modern Physics	3
PHYS 30603	Thermal Physics	3
PHYS 40653	Electromagnetic Fields	3
PHYS 50753	Topics in Biophysics	3

#### 6 hours selected from

PHYS 30014	Materials Science	4
PHYS 30483	Physics III Laboratory	3
PHYS 30553	Mechanics	3
PHYS 30703	Digital Electronics	3
PHYS 30843	Biomedical Imaging	3
PHYS 40113	Elements of Quantum Mechanics	3
PHYS 40663	Electromagnetic Radiation and Optics	3
PHYS 50703	Nonlinear Dynamics	3
PHYS 50713	Contemporary Topics in Physics	3
PHYS 50723	Introduction to Solid State Physics	3
PHYS 50733	Computational Physics	3
PHYS 50763	Experimental Methods in Biochemistry and Biophysics	3
PHYS 40103	Senior Research in Physics or Astronomy	3
PHYS 40003	Senior Honors Research in Physics or Astronomy	3

#### Associated requirements

**15 hours of mathematics are required:**

Students planning to attend graduate school should take MATH 50613.

MATH 10524	Calculus I	4
MATH 20524	Calculus II	4
MATH 30524	Calculus III	4
MATH 30613	Differential Equations	3

**Also required are:**

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10523	Introduction to Biological Investigation	3
CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3

**7 hours selected from**

BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 30304	Microbiology	4
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
CHEM 30123	Organic Chemistry I	3
CHEM 30133	Organic Chemistry II	3
CHEM 30143	Organic Qualitative Analysis	3
CHEM 40503	Basic Biochemistry	3

**Applied Physics Minor**

The applied physics minor is designed for engineering majors but is open to all majors.

**Requirements****The program of study requires a minimum of 18 hours of physics including**

PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
PHYS 30493	Physics III Modern Physics	3
PHYS	3 hours of approved electives 30000 or above	3

**Four hours of research selected from**

PHYS 30003	Junior Honors Research in Physics or Astronomy	3
PHYS 40003	Senior Honors Research in Physics or Astronomy	3
PHYS 40103	Senior Research in Physics or Astronomy	3
PHYS 50970	Special Problems in Physics	1.00-3.00

**Astronomy Minor****Requirements****The astronomy minor requires 18 hours including**

PHYS 10273	Introductory Astronomy: Earth and Planets	3
PHYS 10263	Cosmic Origins	3

**Six hours selected from**

PHYS 10154	General Physics I with Laboratory	4
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OR

PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
GEOL 10113	Understanding the Earth	3
PHYS 10293	Archaeoastronomy	3
PHYS	6 hours of upper division PHYS courses approved electives 30000 or above	

**Biophysics Minor****Requirements**

The program of study requires a minimum of 20 hours consisting of:

PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	OR	
PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	AND	
BIOL 10503	The Unity of Life: Molecules to Cells	3
	OR	
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
	AND	
BIOL 10523	Introduction to Biological Investigation	3

**6 hours Research from**

PHYS 30003	Junior Honors Research in Physics or Astronomy	3
PHYS 30313	Theoretical Methods in Physics	3
PHYS 30473	How the Human Body Works	3
PHYS 30483	Physics III Laboratory	3
PHYS 30553	Mechanics	3
PHYS 30843	Biomedical Imaging	3
PHYS 40003	Senior Honors Research in Physics or Astronomy	3
PHYS 40103	Senior Research in Physics or Astronomy	3
PHYS 50970	Special Problems in Physics	1.00-3.00

**Physics Minor****Requirements****The physics minor requires 18 hours of physics, including**

PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	OR	

PHYS 20474	Physics I with Laboratory: Mechanics	4
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	AND	
PHYS	10 hours of approved electives of which 6 must be 30000 or above	

participation in health-related activities until their second year in the program and are allowed to do no more than 20 hours per week, approved by their faculty and signed by the organization where the student will be participating. International students must also submit Curricular Practical Training forms to the Office of International Services. Participation is mandatory for all students, and all federal regulations regarding F-1 and J-1 students must be met in order for international student participation.

#### Health-Related Student Organizations

The program supports a number of health-related student organizations for pre-professional health science students. Additional information is available at <http://www.prehealth.tcu.edu>.

#### Pre-Health Professions Scholarships

Several competitive scholarships for pre-health professions are available for students who are at least sophomores; have a GPA above 3.0; 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 Student Financial Aid.

## Pre-Health Professions Requirements

### General Requirements

#### Biology:

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3

#### Chemistry:

CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 20123	Quantitative Analysis	3

CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30123	Organic Chemistry I	3
CHEM 30133	Organic Chemistry II	3
CHEM 30143	Organic Qualitative Analysis	3

#### Physics:

PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4

#### Math:

MATH 10043	Elementary Statistics	3
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#### Other:

TCU Core Curriculum requirements and requirements of the major/minor.

#### General Suggestions

Listed below are medically relevant courses that are highly recommended. Additionally, courses outside of the sciences such as those fulfilling the requirements for the Cultural Awareness in Healthcare minor are highly recommended.

## Pre-Health Professions

TCU offers a curriculum preparing students for programs leading to professional 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; Tracy Centanni, psychology; Matt Chumchal, biology and director; Mike Chumley, biology; Jeff Coffey, chemistry; Mathew Crawford, pre-health; Mollie Crenshaw, biology; Meredith Curtis, biology and associate director; Mark Demarest, biology; Sophia Garcia, biology; Karol Gryczynski, physics & astronomy; Matt Hale, biology; Doug Ingram, physics & astronomy; Marlo Jeffries, biology; Clark Jones, biology; Laura Luque, biology; Shauna McGillivray, biology and associate director; David Minter, chemistry; Mike Misamore, biology; Anna Petursdottir, psychology; Mikaela Stewart, biology; Anne VanBeber, nutritional sciences; Stephanie Wallace, biology; David Weise, psychology. Jessica Alvarez and Sarah Jung, coordinators for the program, offices 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.prehealth.tcu.edu](http://www.prehealth.tcu.edu).

### 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 (p. **Error! Bookmark not defined.**) in the Bachelor's Degree section of the University requirements.

### Professional Entrance Exams

Most professional schools require entrance exams 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. These include the Dental Admissions Test (DAT), the Medical College Admissions Test (MCAT) and the Optometry Admissions Test (OAT).

### Health Related Activities

All students in TCU's Pre-Health Profession Institute are required to participate in health-related activities (including shadowing and working or volunteering in a clinical setting.) Students cannot participate in health-related activities until they have participated in HIPAA and professionalism training and submitted all required paperwork to the Pre-Health Professions Institute. International students cannot begin

BIOL 30304	Microbiology	4
BIOL 30404	Comparative Vertebrate Anatomy	4
BIOL 30414	Human Anatomy	4
BIOL 30463	Introductory Neuroscience	3
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 30803	Human Parasitology	3
BIOL 40111	Topics in Medicine	1
BIOL 40123	Genetics	3
BIOL 40203	Histology	3
BIOL 40224	Developmental Biology	4
BIOL 40254	Immunology	4
BIOL 40273	Genomics	3
BIOL 40303	Medical Microbiology	3
BIOL 40403	Mammalian Physiology	3
BIOL 40473	Vertebrate Endocrinology	3
BIOL 40603	Virology	3
BIOL 40513	Fundamentals of Biochemistry	3
BIOL 50133	Biochemistry I	3
BIOL 50143	Biochemistry II	3
SCIE 30613	Pre-Health Professional Development	3

**Additional Pre-Dental Courses**

Two advanced biology courses are required, with recommended courses listed in general suggestions. The following courses are especially recommended, with Microbiology, Anatomy & Physiology being required by several programs.

BIOL 30304	Microbiology	4
BIOL 30404	Comparative Vertebrate Anatomy	4
	OR	
BIOL 30414	Human Anatomy	4
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 40123	Genetics	3
BIOL 40403	Mammalian Physiology	3
BIOL 40513	Fundamentals of Biochemistry	3
	OR	
BIOL 50133	Biochemistry I	3

**Additional Pre-Medical Courses**

Two advanced biology courses are required, with recommended courses listed in general suggestions. In addition, General Psychology, Introductory Sociology and Biochemistry are highly recommended in preparation for the Medical College Admission Test (MCAT.)

PSYC 10213	Introduction to Psychology	3
SOCI 20213	Introductory Sociology	3
BIOL 40513	Fundamentals of Biochemistry	3
	OR	
BIOL 50133	Biochemistry I	3
	AND	
BIOL 50143	Biochemistry II	3

**Additional Pre-Optometry Courses**

MATH 10524	Calculus I	4
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3
BIOL 30304	Microbiology	4
BIOL 40513	Fundamentals of Biochemistry	3
	OR	
BIOL 50133	Biochemistry I	3
BIOL 20204	Anatomy and Physiology	4
	AND	
BIOL 20214	Anatomy and Physiology	4
	OR	
BIOL 30404	Comparative Vertebrate Anatomy	4
	OR	
BIOL 30414	Human Anatomy	4
	AND	
BIOL 40403	Mammalian Physiology	3

**Additional Pre-Pharmacy Courses**

MATH 10524	Calculus I	4
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3
BIOL 30304	Microbiology	4
BIOL 20204	Anatomy and Physiology	4
	OR	
BIOL 30404	Comparative Vertebrate Anatomy	4
	OR	
BIOL 30414	Human Anatomy	4
BIOL 40123	Genetics	3

**Additional Pre-Physician's Assistant Courses**

Program requirements vary so it is highly recommended to determine the pre-requisite courses required for each individual program. The following courses are especially recommended.

BIOL 30304	Microbiology	4
BIOL 20204	Anatomy and Physiology	4
BIOL 20214	Anatomy and Physiology	4
BIOL 40123	Genetics	3
BIOL 40513	Fundamentals of Biochemistry	3
MATH 10043	Elementary Statistics	3
PSYC 10213	Introduction to Psychology	3

**Additional Pre-Podiatric Courses**

Same as pre-med courses.

**Additional Pre-Veterinary Courses**

BIOL 30304	Microbiology	4
BIOL 30603	Cellular, Molecular, and Developmental Biology	3
BIOL 40123	Genetics	3
BIOL 40254	Immunology	4
BIOL 50123	Biostatistics	3
BIOL 40513	Fundamentals of Biochemistry	3

BIOL 50133	Biochemistry I	3
	AND	
BIOL 50143	Biochemistry II	3
PSYC 10213	Introduction to Psychology	3

Two advanced biology courses as listed under general suggestions, especially recommended:

### GPA Requirements:

To continue in the Pre-Health Professions Program (e.g., be advised by HPAC and utilize HPAC for mock interviews and recommendation letters) it is strongly recommended that students maintain at least a:

- 2.5 GPA in TCU biology and chemistry courses after their first two semesters at TCU. For most students, this consists of BIOL 10501, BIOL 10503, BIOL 10511 and BIOL 10513 and CHEM 10113 and either CHEM 10125 or CHEM 10123 and CHEM 20123.
- 2.8 GPA in TCU biology and chemistry courses after their first four semesters at TCU. For most students, this consists of chemistry through Organic (CHEM 30123, CHEM 30121, CHEM 30133 and CHEM 30143) and BIOL 30603.
- 3.1 GPA in TCU biology and chemistry courses after their first six semesters at TCU.

### Important notes:

- For transfer students from two-year institutions who have not taken biology and chemistry, a cumulative GPA of 3.7 is highly recommended for entrance into the program.
- For transfer students from four-year institutions who have taken biology and chemistry, a 2.8 GPA in introductory chemistry and biology courses and a cumulative GPA of 3.4 is highly recommended for entrance into the program.
- For transfer students from four-year institutions who have not taken biology and chemistry, a cumulative GPA of 3.5 is highly recommended for entrance into the program.
- These are minimum requirements and in no way should be considered competitive. The average entering GPA for medical, dental and vet schools is almost always in the 3.6-3.8 range, and very few applicants are accepted with a GPA of less than 3.3.

## 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 admissions 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

### First-year

BIOL 10503	The Unity of Life: Molecules to Cells	3
BIOL 10513	The Diversity of Life: Organisms to Ecosystems	3
BIOL 10523	Introduction to Biological Investigation	3
CHEM 10113	General Chemistry I	3
CHEM 10123	General Chemistry II	3
CHEM 10122	General Chemistry II Laboratory	2
	OR	
CHEM 20123	Quantitative Analysis	3

Writing Workshop

Other TCU CC

**Subtotal: 30-33**

### Sophomore Year

BIOL 30603	Cellular, Molecular, and Developmental Biology	3
CHEM 30123	Organic Chemistry I	3
CHEM 30121	Organic Chemistry I Laboratory	1
CHEM 30133	Organic Chemistry II	3
CHEM 30143	Organic Qualitative Analysis	3
PHYS 10154	General Physics I with Laboratory	4
PHYS 10164	General Physics II with Laboratory	4
	TCU CC	

**Subtotal: 33**

Aptitude test should be taken at this point

### Junior Year

BIOL (7-9 hours)

TCU CC (15 hours)

Electives or Additional Requirements (6-9 hours)

**Subtotal: 28-33**

## 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 College

A student wishing to complete Departmental Honors in psychology must be enrolled in the Honors College and complete PSYC 30003 and PSYC 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.

Up to (but no more than) 3 hours earned in elective courses that are offered only on a pass/no-credit basis may be applied to meet major or minor requirements within the College of Science & Engineering. Additional hours in such courses may be used as free electives or for majors or minors in other colleges (as permitted by those colleges).

### Psi Chi

The department sponsors the TCU Chapter of Psi Chi, the national honor society for psychology.

## Psychology, BS

The BS with a major in psychology is recommended for students planning graduate work and careers in psychology or related fields.

### Requirements

The program of study requires a minimum of 42 hours on a 120-hour degree consisting of:

#### One of the following:

PSYC 10213	Introduction to Psychology	3
PSYC 10514	Principles of Behavior I	4
PSYC 10524	Principles of Behavior II	4

#### Plus

PSYC 30503	Research Methods in Psychology	3
PSYC 40993	Senior Seminar in Psychology	3

**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.**

#### Area A:

PSYC 30463	Introductory Neuroscience	3
PSYC 30483	Human Neuropsychology	3
PSYC 50513	Psychopharmacology	3

#### Area B:

PSYC 30423	Experimental Psychology: Perception	3
PSYC 30433	Experimental Psychology: Motivation	3
PSYC 30473	Comparative Psychology	3
PSYC 30414	Experimental Psychology: Learning	4
PSYC 30513	Fundamentals of Learning	3

#### Area C:

PSYC 30313	Developmental Psychology	3
PSYC 30453	Memory and Cognition	3
PSYC 30523	Experimental Psychology: Cognition	3
PSYC 40413	Cognitive Development	3
PSYC 30633	Social and Emotional Development	3

#### Area D:

PSYC 30393	Evolutionary Psychology	3
PSYC 30443	Psychology of Personality	3
PSYC 40493	Introduction to Psychological Measurement	3
PSYC 30353	Social Psychology	3
	OR	
PSYC 30343	Social Psychology	3
PSYC 40533	Experimental Psychology: Social	3

#### Area E:

PSYC 30363	Abnormal Psychology	3
PSYC 30373	Organizational Psychology	3
PSYC 40463	Applied Behavior Analysis	3

**Students who will apply to psychology Ph.D. programs are strongly encouraged to take research courses**

PSYC 40313	Research in Neuroscience	3
PSYC 40323	Research in Psychology of Learning	3
PSYC 40333	Research in Social Psychology	3
PSYC 40343	Development/Cognitive Research	3

At most 9 hours in these courses may be applied to the 42 minimum required hours in psychology, but additional hours may be taken as electives.

#### Associated Requirement:

A minor or second major is required for the BS degree in psychology.

MATH 10043	Elementary Statistics	3
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## Psychology, BA

The 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.

### Requirements

The program of study requires a minimum of 30 hours, on a 120 hour degree consisting of:

#### One of the following:

PSYC 10213	Introduction to Psychology	3
PSYC 10514	Principles of Behavior I	4
PSYC 10524	Principles of Behavior II	4

#### Plus

PSYC 30503	Research Methods in Psychology	3
PSYC 40993	Senior Seminar in Psychology	3

**At least one course must be taken from each of the five areas listed under the BS degree requirements.**

**A maximum of 6 hours of research may be applied to the 30 minimum required hours in psychology, but additional hours may be taken as electives.**

PSYC 40313	Research in Neuroscience	3
PSYC 40323	Research in Psychology of Learning	3
PSYC 40333	Research in Social Psychology	3
PSYC 40343	Development/Cognitive Research	3

#### Associated Requirement:

A minor or second major is required for the BA in psychology.

MATH 10043	Elementary Statistics	3
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## Psychology Minor

### Requirements

A minor in psychology requires 18 hours in psychology consisting of:

#### One of the following:

PSYC 10213	Introduction to Psychology	3
PSYC 10514	Principles of Behavior I	4
PSYC 10524	Principles of Behavior II	4

A maximum of 3 hours of research (PSYC 40313, PSYC 40323, PSYC 40333 or PSYC 40343) may be applied to the minor in psychology.

## 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 résumés through professionally related internship experiences. In this way, they not only include the fieldwork experience on their résumés, 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, Basic Internship ([PSYC 40260](#)) and Advanced Internship in Psychology ([PSYC 40290](#)).

## Ranch Management

Ranch Management is available as a BS, certificate and minor. An application process is required for all Ranch Management programs.

Since 1956, students from 44 states and 22 nations have studied ranching at TCU through the certificate program. In addition to the certificate program, ranch management is available as a Bachelor of Science Degree and as a minor with a Bachelor of Science or Bachelor of Arts in another discipline.

\*RAMA 40101, Management Plan Capstone Course, must be completed with a grade of C or higher in order to earn the BS Degree/Certificate and/or Minor in Ranch Management.

Courses for the major (including Associated Requirements), the minor and the certificate may not be taken on a Pass/No Credit basis.

## Pre-Ranch Management Requirements:

Students admitted to TCU as pre-ranch management must complete the following to advance to the ranch management major:

- Have sufficient working experience in agriculture to understand the nature of the industry
- Have a minimum 2.50 cumulative TCU GPA
- Apply to Ranch Management
- Go through a professional interview
- Be formally admitted to Ranch Management

Students will typically apply in their sophomore year for formal admission to Ranch Management. Contact Ranch Management regarding specific admission policies. Enrollment is limited.

## Ranch Management, BS

Ranch Management courses must be taken in two consecutive semesters starting with the fall semester. Spring courses include the two writing emphasis courses to satisfy the core curriculum. A "C" or better is required in all courses. No other courses may be taken during the year. An approved minor is required for the Ranch Management BS. See department for a list of approved minors.

## Ranch Management Courses

### Fall Semester (17 hours)

RAMA 30102	Ranch Operations and Development	2
RAMA 30403	Soil and Water Conservation	3
RAMA 40103	Beef Cattle Production	3

RAMA 40303	Animal Health Management	3
RAMA 50503	Range Management	3
RAMA 50603	Ranch Records and Finance	3

### Spring Semester (18 hours)

RAMA 30703	Animal Nutrition and Feeding	3
RAMA 40101	Management Plan Capstone Course	1
RAMA 40112	Sheep and Goat Production	2
RAMA 40313	Animal Health and Reproduction	3
RAMA 40903	Forage Production and Use	3
RAMA 50213	Ranch Business Management	3
RAMA 50803	Marketing of Livestock and Meats	3

### Also Required;

One upper level science course from the following:

BIOL 30613	Natural History	3
GEOL 30113	Weather and Climate	3
GEOL 30133	Historical Geology I	3
GEOL 30153	Geology of National Parks	3
GEOL 40393	Soils in the Environment	3
GEOL 50523	Introduction to Geographic Information Systems	3

Substitutions require approval by the department director.

### Associated Requirements:

Six hours from:

BIOL 10003	Contemporary Issues in Biology	3
GEOL 10113	Understanding the Earth	3
ENSC 10143	Contemporary Environmental Issues	3
One of the following:		
ECON 10223	Introductory Microeconomics	3
ECON 10233	Introductory Macroeconomics	3

\*RAMA 40101, Management Plan Capstone Course must be successfully completed with the grade of C or higher in order to earn the BS Degree/Certificate and/or Minor in Ranch management.

### Pass/No-Credit Policy

Courses for the major (including associated requirements) and the minor may not be taken on a Pass/No-Credit basis.

## Ranch Management Minor Requirements

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 Ranch Management. A minimum 2.50 cumulative TCU GPA is required. Students interested in pursuing the 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 35 hours of coursework and must be taken in two consecutive semesters. No other courses may be taken during the year. See Required Courses for Certificate in Ranch Management for a complete list of courses required for the ranch management minor.



## Ranch Management Certificate

### Admission to the Certificate Program

Applicants meeting academic enrollment criteria should have sufficient working experience in agriculture to understand the nature of the industry. Basic knowledge and experience with farming or ranching enables the students to benefit more from the course of study. Enrollment is limited. Selection to the program is made after completion of the application, including transcripts and a professional interview. For information or to request an application, call (817) 257-7145 or write to:

Director, Ranch Management

Texas Christian University

TCU Box 297420

Fort Worth, TX 76129

Email: ranching@tcu.edu

The ranch management certificate program requires two consecutive semesters to complete. Intensive classroom instruction in basic management principles complement courses in livestock production, natural resource conservation, forage production and accounting principles. Fieldwork is coordinated with classroom study to demonstrate principles as they apply in production situations.

Classes are offered in three-hour units to allow concentration of subject matter and to facilitate field work. Classes meet Monday through Friday for six hours per day. Class hours may vary when fieldwork requires additional travel time.

Basic vocational skills are taught that require physical mobility and manual dexterity. Field work includes five week-long trips and numerous day trips. No other courses may be taken during the year. The two-semester program leads to 35 hours of credit and a ranch management certificate. No RAMA course may be repeated.

### Required Courses for Certificate in Ranch Management

#### Fall Semester (17 hours)

RAMA 30102	Ranch Operations and Development	2
RAMA 30403	Soil and Water Conservation	3
RAMA 40103	Beef Cattle Production	3
RAMA 40303	Animal Health Management	3
RAMA 50503	Range Management	3
RAMA 50603	Ranch Records and Finance	3

#### Spring Semester (18 hours)

RAMA 30703	Animal Nutrition and Feeding	3
RAMA 40101	Management Plan Capstone Course	1
RAMA 40112	Sheep and Goat Production	2
RAMA 40313	Animal Health and Reproduction	3
RAMA 40903	Forage Production and Use	3
RAMA 50213	Ranch Business Management	3
RAMA 50803	Marketing of Livestock and Meats	3

\*RAMA 40101, Management Plan Capstone Course must be successfully completed with the grade of C or higher in order to earn the BS Degree/Certificate and/or Minor in Ranch management.

## Sustainability Minor

### Requirements

The program requires a minimum of 18 hours. No more than two courses from any one department and no grade lower than a C- will be accepted.

#### Required

ENSC 10143	Contemporary Environmental Issues	3
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### Electives: 15 hours

#### Social Sciences and Humanities: 3 hours

ANTH 30663	Food Justice	3
ANTH 30733	Globalization and Human Impacts: Economics, Development and Social Justice	3
ANTH 30743	Animals, Religion, and Culture	3
ANTH 30783	Anthropological Approaches to Nature and the Sacred	3
ANTH 30823	Native American Religions and Ecology	3
ANTH 40433	Transnational Processes: Globalization, Migrations, and Borders	3
ECON 30523	Resource and Energy Economics	3
ECON 30763	Economic Geography	3
ENGL 30153	Nature Writing in Nature	3
FAME 20223	Sustainability Issues in Fashion Industry	3
HIST 40853	American Environmental History	3
PHIL 20333	Environmental Philosophy	3
POSC 33123	Globalization	3
POSC 33133	Energy and Global Geostrategy	3
RELI 30783	Religion and Environmental Ethics	3
SOCI 20223	Social Problems	3
SOCI 30223	Contemporary Topics in Sociology	3
SOCI 30233	Sustainability: Environmental, Social & Economic Issues	3
SOCI 30253	Environmental Sociology	3
SOCI 30573	Corporate and Governmental Deviance	3
SOCI 40303	Animals, Culture and Society	3

#### Natural Sciences: 3 hours

BIOL 30403	Ecology and the Environment	3
BIOL 30324	Introduction to Marine Science	4
BIOL 40353	Wildlife Ecology and Management	3
BIOL 50103	Terrestrial Ecosystems	3
BIOL 50703	Ecology of Lakes and Streams	3
ENGR 30113	Energy in Society	3
ENSC 30143	Introduction to Sustainability Science	3
ENSC 30133	Concepts in Environmental Science	3
ENSC 30313	Sustainable Development in Costa Rica	3
ENSC 30453	Wildlife Research Project	3
ENSC 40193	Environmental Stewardship Seminar	3
ENSC 40553	Zoo Animal Enrichment	3

ENSC 40603	South African Biodiversity and Human Development Part 1	3
ENSC 50233	Urban Wildlife	3
ENSC 50333	Energy Development and Wildlife Conservation	3
ENSC 50443	Sustainability in the Build Environment	
ENSC 50503	Wetlands Delineation and Management	3
ENSC 50513	Wetlands Restoration	3
ENSC 50551	Anthropogenic Disturbance of Wildlife	1
ENSC 50693	Natural Resources Compliance	3
ENSC 50703	Environmental Compliance	3
ENSC 50753	Environmental Management Systems	3
ENSC 50793	Environmental Sustainability	3
NTDT 30643	Veganism, Sustainability, and Plant-based Food Studies	3
NTDT 30993	A Global Perspective in Food Insecurity	3
PHYS 10503	Energy	3

**Other Elective Options:**

RAMA 20103	Challenges of Global Food Production	3
ENTR 30773	Entrepreneurship and Energy	3

If ENSC 10143 is required for a student's major or another minor, the student will choose an additional course from those listed above as a substitution.

## University Life

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Introduction to University Life is a one-credit, graded course for students in their first semester at TCU. The course provides knowledge, skills and strategies to flourish in the academic community; and addresses fundamental questions about how to succeed as a college learner through goal-setting, understanding resources, managing stress, self-care, critical and reflective thinking, diversity and inclusion; and academic and personal integrity, among other topics. Each section of the course is led by an instructor and a student Peer Guide.

## University Life Course

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**University Life Course**

UNLF 10211	Introduction to University Life	1
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# The John V. Roach Honors College

## Mission

The John V. Roach Honors College seeks to support highly motivated students in their quest for intellectual, ethical, and personal growth. To this end, the Honors College strives to:

- offer a flexible, relevant, empowering curriculum
- examine complex questions from a plurality of perspectives
- promote interdisciplinary and community-engaged learning
- design unique learning environments in which students explore life-changing questions
- cultivate students' curiosity and autonomy
- encourage ethical engagement and cultural humility in local and global communities

## Honors Student Pledge

As a member of the John V. Roach Honors College, I pledge to dedicate myself to intellectual inquiry, life-long learning, and critical thinking, to demonstrate personal and academic integrity, and to engage others in earnest and respectful discussion with an open mind.

## Honors College Admission

Admission to the John V. Roach Honors College requires completion of an online application in addition to the general TCU application. Applicants undergo a holistic review that includes two supplemental essays as well as high school GPA, strength of curriculum, and other TCU application materials.

Continuing and transfer TCU students who currently have or will have completed a minimum of 12 graded hours at TCU and earned a TCU cumulative GPA of 3.5 or higher by the end of the semester are eligible to apply for the admission to the Honors College.

## Honors College Curricula and Completion Levels

The Honors College offers a two-tiered curriculum, leading to three possible levels of Honors distinction.

- Students who complete Lower-Division requirements while maintaining at least a 3.25 overall GPA earn the Kathryn McDorman Honors Scholar distinction.
- Students who complete Upper-Division requirements while maintaining at least a 3.5 overall GPA earn the Paul and Judy Andrews Honors Scholar distinction.
- Students who complete both Lower- and Upper-Division Honors earn the Honors Laureate distinction. To graduate as an Honors Laureate, students must have a cumulative GPA of 3.5 or higher.

## Lower-Division Honors

To complete Lower-Division Honors, students must fulfill five requirements, including two Honors Cultural Visions courses (or an approved study abroad program) and three Honors Electives.

### *Cultural Visions (6 hours or equivalent)*

To fulfill this requirement, students may take two Honors Cultural Visions Courses. Students may also fulfill this requirement by completing an approved study abroad program, subject to the following stipulations:

- A 3-credit hour, TCU approved summer study abroad program fulfills one Cultural Visions requirement.
- A fall or spring TCU approved semester study abroad program fulfills two Cultural Visions requirements.
- A summer Honors Abroad experience sponsored through the John V. Roach Honors College fulfills one Cultural Visions requirement.

### *Honors Electives (9 hours or equivalent)*

To fulfill this requirement, students may take three Honors courses in any discipline. Other options for fulfilling this requirement include:

- Advanced Placement (AP) exam score of 5 or an International Baccalaureate (IB) Higher Level score of 7

- fulfillment of an Honors Course Enrichment Contract for a non-honors class (subject to availability)

## Upper-Division Honors

To complete Upper-Division Honors, students may pursue either University Honors or Departmental Honors, or both.

### **University Honors (9 hours)**

To earn University Honors, students must complete three Honors colloquia.

Honors colloquia are small seminars devoted to the immersive exploration of questions and topics relevant to students from diverse disciplinary backgrounds.

### **Departmental Honors (usually 6 hours but varies by department)**

To earn Departmental Honors, students must complete a research or creative project in their major (or minor, with approval from the department chair or program director).

Projects are typically undertaken over multiple semesters, during which Departmental Honors students design and carry out original research projects or produce original creative works under the mentorship of a faculty committee. The policies and research procedures guiding students pursuing Departmental Honors are determined by each department. Senior students present their projects publicly and have the opportunity to archive them in the permanent collection of the Mary Couts Burnett Library.

## Grade Requirements

To remain in good academic standing as a member of the Honors College, a student must meet the following minimum GPA requirements:

- completion of first-year: 3.0
- completion of sophomore year: 3.25
- completion of junior year: 3.4
- completion of senior year: 3.5

Students who fail to meet these requirements may reapply to the Honors College once they have attained the required GPA.

To graduate with an honors distinction, students must earn of "C-" or better in all courses applied to their Lower- and Upper-Division Honors requirements.

## Pass/No-Credit Policy

To fulfill Honors College requirements, courses may not be taken pass/no-credit.

## Honors College Courses

### Course-Subcategories

#### Honors Lower-Division Courses

HNRS 20003	Honors: Special Topics	3
HNRS 20103	Africa Through Film	3
HNRS 20123	Mindfulness for College Students	3
HNRS 20133	Spaces and Places	3
HNRS 20643	Video Game History	3
HNRS 20113	College Life and Identity	3
HNRS 20213	Language, Communication and Cultural Identity	3
HNRS 20223	Gender and Cultural Identity	3
HNRS 20233	Gender and Sexuality in History and Literature	3
HNRS 20243	Culture, Literature, and Adaptations	3
HNRS 20403	Faith and Social Movements	3

HNRS 20503	Exploring Cultural Contact Zones	3	HCOL 41363	The End of the American Century?	3
HNRS 20613	Race and Sports	3	HCOL 41373	Beyoncé and Intersectionality	3
HNRS 20623	The Genius of Hip Hop	3	HCOL 41383	Scary Parents in Film, Literature, and Medical History	3
HNRS 20633	Video Games and Representation	3	HCOL 41393	The World in the News	3
HNRS 20803	Understanding Science	3	HCOL 41403	Presidential Leadership	3
HNRS 20813	Philosophy and Science of Social Justice	3	HCOL 41413	Resilience	3
HNRS 20913	Cultural Memory: HIST Culture	3	HCOL 41423	Reproductive Justice and Narrative	3
HNRS 20923	Cultural Memory: LIT Culture	3	HCOL 41433	Underworlds: Deconstructing the Normal in Literature and Film	3
HNRS 30533	Happiness: Culture, Economics, and Being	3			

Other Lower-Division Honors courses (Honors Cultural Visions courses and Honors Electives) are offered by departments, under prefixes associated with those units. Students should consult TCU Class Search (checking under the "Honors Cultural Visions" or "Honors" class attributes) for courses being offered in any particular semester.

#### Honors Colloquium Courses for University Honors

HCOL 41013	Disease, Disorder, and Disability	3	HCOL 41443	City as Text: Fort Worth	3
HCOL 41023	Empathy	3	HCOL 41453	The Worldliness of Virtual Worlds	3
HCOL 41033	Sports, Society, and Culture	3	HCOL 41463	Technological Dystopias	3
HCOL 41043	Design Thinking and Innovation	3	HCOL 41473	Superheroes and Culture	3
HCOL 41053	Life Online	3	HCOL 41483	Counting on Sustainability	3
HCOL 41063	Outlaws	3	HCOL 41493	Capitalism and Socialism	3
HCOL 41073	Race at the Movies	3	HCOL 41503	Modernity and After	3
HCOL 41083	A Secular Age?	3	HCOL 41513	Freedom in the Western World	3
HCOL 41093	Art and Activism	3			
HCOL 41103	Cops and Controversies	3			
HCOL 41113	Mind and Matter	3			
HCOL 41123	Callings	3			
HCOL 41133	Transcultural Dialogues	3			
HCOL 41143	Asian Cultures on the Go	3			
HCOL 41153	The Beauty of Black Music	3			
HCOL 41163	Giving and Philanthropy	3			
HCOL 41173	Darwinian Explorations	3			
HCOL 41183	Mind, Consciousness, Self	3			
HCOL 41193	Journalism and Moral Courage	3			
HCOL 41203	Society through Multimedia	3			
HCOL 41213	Sex, Evolution, and the Brain	3			
HCOL 41223	Design for Social Impact	3			
HCOL 41233	Citizenship	3			
HCOL 41243	Gender	3			
HCOL 41253	Islam and Politics	3			
HCOL 41263	Democracy in the Workplace	3			
HCOL 41273	The Other Texas	3			
HCOL 41283	The European Union	3			
HCOL 41293	Deconstructing Disney	3			
HCOL 41303	Frankenstein, Then and Now	3			
HCOL 41313	Musical Theater and American Politics	3			
HCOL 41323	Mindfulness and Modern Life	3			
HCOL 41333	Games and Learning	3			
HCOL 41343	History of the Scientific Endeavor	3			
HCOL 41353	Literature, Care, and the Anthropocene	3			

#### Honors Special Project Courses

HSPR 30990	International Residential Study	1-20
HSPR 40000	Honors Interdisciplinary Inquiry	1.00-6.00
HSPR 40970	Honors Directed/Independent Study	1.00-6.00

# 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 first-year, 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 first-year 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 first-year program.

**1996**

First class of engineering students awarded degrees; faculty expanded by 10 primarily to enhance first-year 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 Bob Schieffer 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. Neeley 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 Coutts 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. Neeley 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 Coutts 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 first-year 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. Neeley 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 first-year 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, was announced in late fall.

#### 2009

An addition to the Starpoint School/KinderFrogs building opened in February. The John V. Roach Honors College was established. Milton-Daniel Hall closed for renovation. Sherley Hall reopened in August as an all-first-year residence hall following a year-long renovation. Construction of an Admission building is announced. Amon Carter Stadium has a record crowd of 50,307 for the game against Utah on Oct. 31, which the Frog won, 55-28. ESPN's College Game Day was on hand that day too, another campus first. The Frogs, under Coach Gary Patterson have the first perfect regular season since 1938 (12-0). Fort Worth gets on board, turning the Trinity River purple and lighting up downtown in purple lights. Finishing the season at #5 in the nation, the Frogs earn a spot in their first BCS tournament, the Tostitos Fiesta Bowl in Arizona.

#### 2010

In January the No. 4 Frogs fell 17-10 to No. 6 Boise State in the 2010 Tostitos Fiesta Bowl in Glendale, Arizona. It was the Frogs' first-ever Bowl

Championship Series appearance. Scharbauer Hall, completed in 2009, was opened to classes for the spring 2010 semester. The hall also houses the AddRan College of Liberal Arts and the John V. Roach Honors College. Reed Hall, which was renovated to match the newly-constructed Scharbauer Hall, is re-opened in the summer. In February the Bob Schieffer College of Communication dedicated its new \$5.6 million convergence lab, bringing together the Skiff, TCU News Now and Image magazine operations in one newsroom. In May "Range Duty," an 800-pound bronze sculpture depicting a cowboy at a campfire, was added to the front lawn of the Winthrop Rockefeller Building for Ranch Management. In June the Athletic department added the Jane Justin Soccer Fieldhouse to its roster of facilities. The \$7.9 million, 14,500-square-foot Mary Wright Admission Center opened its doors in August. The facility's use of geothermal energy for heating, cooling and water temperature systems has earned it LEED (Leadership in Energy and Environmental Design) gold certification. After a year-long renovation, Milton Daniel residence hall re-opened in August to house students in the John V. Roach Honors College. In November TCU accepted an invitation to join the Big East Conference effective July 1, 2012. On Dec. 5, 2010, the west grandstand of Amon G. Carter Stadium was imploded to make way for the planned \$105 million renovation project. In December the TCU Jazz Ensemble was among the first U.S. college groups to travel to Cuba when it performed at the Havana International Jazz Festival. U.S. News & World Report ranked the Neeley School of Business in the Top 10 schools for MBAs with the Most Financial Value at Graduation in a 2010 survey.

At the 97th Rose Bowl on Dec. 31 in Pasadena, TCU beat the University of Wisconsin 21-19. The victory followed two days of Los Angeles festivities including New Year's Eve party for alums, a Frog Bash, a pep rally and the Tournament of Roses parade. At home, 7,000 local fans gathered at Daniel-Meyer Coliseum with Fort Worth Mayor Mike Moncrief and State Senator Wendy Davis '90 for a celebration that was televised live.

#### 2011

TCU was included in The Princeton Review's Best 376 Colleges, 2012 Edition. Only about 15 percent of America's 2,500 four-year colleges and three outside the U.S. are profiled in the guide. TCU also was included in The Princeton Review's Guide to 311 Green Colleges, 2011 edition, for the environmentally responsible practices. In November, TCU received approval from its Board of Trustees' Executive Committee to renovate the east side of Amon G. Carter Stadium immediately following the conclusion of the 2011 football season. In August the inaugural Frogs First orientation, welcomed the Class of 2015. Also in August, the School for Classical & Contemporary Dance moved into the newly renovated Erma Lowe Hall (formerly the Ballet Building); the official opening was celebrated in October. On Oct. 10 the Board of Trustees unanimously approved an invitation to join Baylor, Iowa State, Kansas, Kansas State, Missouri, Oklahoma, Oklahoma State, Texas and Texas Tech in the Big 12 conference, effective July 1, 2012. In November construction of two residence halls in Worth Hills was announced as part of a multi-phase plan to create a new residential Worth Hills Village. The halls will accommodate about 400 students with completion expected by August 2013. In December a two-ton wrecking ball finished its work on the last of the old Amon G. Carter Stadium in preparation for further renovation, completion is scheduled for late summer 2012, well before the first home game against Grambling State. Also in December, a time capsule containing TCU memorabilia was buried inside a column on the west side of the stadium. After failing to earn a bowl berth in BCS standings, TCU was picked for the San Diego County Credit Union Poinsettia Bowl. The Frogs' 31-24 victory over Louisiana Tech gave TCU its third straight Mountain West Conference title.

#### 2012

The W. Oliver and Nell A. Harrison Building of Brite Divinity School opened in January. The TCU Board of Trustees approved the next phase of Vision in Action, called the Academy of Tomorrow, in February. Construction on the new academic building and an addition to Annie Richardson Bass Building began in the fall. The Campaign for TCU concluded in May with a total of \$434,103,887 raised. Construction began on two new residence halls in Worth Hills, at the corner of Bellaire Drive North and Stadium Drive. Ol' Rip, a new horned frog statue, was installed between Reed Hall and Scharbauer Hall in April. Membership in the Big 12 Conference kicked off July 1. A completely renovated Amon G. Carter Stadium opened in September, and Gary Patterson became TCU's winningest coach with his 110th victory at the first home game of the season against Grambling State.



**2013**

With a first-year class featuring some of the highest SAT and ACT scores in TCU history, the University remained the second most selective school in Texas, behind only Rice University. The student-faculty ratio was an enviable 13:1, and the first-year-to-sophomore retention rate approached 90 percent. The Chronicle of Higher Education listed TCU among its "Great Colleges to Work For," and The Princeton Review ranked TCU at No. 15 in the nation for Best College Dorms. The Greek Circle of Excellence, built to celebrate a half-century of Greek-letter societies at TCU, was dedicated. The Pre-Health Professions Program was elevated to the Pre-Health Professions Institute. The Neeley School of Business, recognized by The Economist as having the world's best MBA faculty, celebrated its 75th anniversary. Three graduate programs enrolled their first students: the Master of Social Work, the MBA for Energy Professionals and the Master of Science in Supply Chain Management. Work continued on the Intellectual Commons, including construction of Rees-Jones Hall, TCU's first interdisciplinary academic building, and an addition to the Annie Richardson Bass Building. Two residence halls opened in the Worth Hills Development, Marion Hall and Pamela and Edward Clark Hall, while a third was under construction.

**2014**

*U.S. News & World Report* placed TCU No. 76 among national universities, while *Forbes* named the University one of its "Rising Stars: 10 Top Colleges to Watch." Further evidence of TCU's academic excellence was the selection of six Horned Frogs as Fulbright Scholars. For the fourth consecutive year, the University was on *The Chronicle of Higher Education's* "Great Colleges to Work For" list. With 17,000 applications for the Class of 2018, the admission rate was in the "highly selective" category. On the east campus, a classical new entrance to the Mary Coats Burnett Library was constructed, and work began on a technology-rich reimagining of the library. Rees-Jones Hall opened in the Intellectual Commons, as did an addition to the Annie Richardson Bass Building. On the west campus, Marlene Moss Hays Hall was the latest facility to open in the Worth Hills residential development. As part of TCU's Quality Enhancement Plan to internationalize the University, the fall 2014 focus of Discovering Global Citizenship was the Middle East and Central Asia. The first of the "great themes" courses, which examine critical challenges facing the planet, addressed water issues.

**2015**

A multipurpose building opens in Worth Hills. The university endowment reaches \$1.5 billion. TCU and the University of North Texas Health Science Center sign a memorandum of understanding to create a new M.D. school in Fort Worth. The baseball team makes its third College World Series appearance in six years. The renovated Mary Coats Burnett Library opens in the Intellectual Commons, while an ambitious new complex for the Neeley School of Business is on the drawing board. After an injury-plagued 2015 football season, the Frogs win the Alamo Bowl with a 31-point comeback to earn a No. 7 postseason national ranking. The Ed and Rae Schollmaier Arena in the Daniel-Meyer Athletic Complex is dedicated. Work begins on Greek Village in Worth Hills. The Class of 2019 — more than 2,000 strong — continues a trend of excellence with the highest academic credentials in TCU history.

**2016**

Significant events in the University's history continue as TCU opts out of Senate Bill 11 and prohibits guns on campus. Dr. Stuart Flynn is selected as the founding dean of the new M.D. School being created by TCU and the University of North Texas Health Science Center. William and Sue Parrish donate life-sized bronze statues to commemorate TCU Football icons—Davey O'Brien, Leo "Dutch" Meyer and Gary Patterson. Bob Schieffer "retires" The Schieffer Symposium in the News, and establishes TCU's most generous and academically prestigious scholarship. The Art Galleries secure a hand-painted chromogenic print titled *Dead Cock and Contemplative Magpie, 2007* for the University's Permanent Art Collection and TCU's Percussion Orchestra wins the International Percussion Ensemble Competition for the fourth time.

**2017**

Construction began in the summer on a re-envisioned Greek Village in Worth Hills that will support almost 800 students in 24 chapter houses. Nearby, new residence halls and the newly named King Family Commons enhance the full TCU experience for upper division students. Senior Caylin Moore was one of 32 students from across the United States to receive the prestigious Rhodes Scholarship—only the second person in TCU history to be selected for the honor. The TCU Institute of Child Development changed its name to the Karyn Purvis Institute of Child Development at TCU in honor of its late founder. The Neeley School of Business received Top 25 rankings for its undergraduate,

entrepreneurial studies and master's in accounting programs from *Public Accounting Report*, *Entrepreneur* and *Bloomberg Businessweek*. TCU MBA programs made the Top 10 as defined by The Economist and The Princeton Review. Fourteen of TCU's varsity sports reached the postseason. TCU men's and women's basketball began play in the sparkling new Ed and Rae Schollmaier Arena, which also hosted a record three TCU commencement ceremonies in May. In baseball, the Frogs again won the Big 12 Championship and went to the College World Series. The Chronicle of Higher Education named TCU a "Great College to Work For" for the sixth consecutive year.

**2018**

The School of Interdisciplinary Studies was constituted during the summer of 2018. Women & Gender Studies became a department after nearly 25 years of academic offerings on campus. Comparative Race and Ethnic Studies, previously a program in the AddRan College of Liberal Arts, became an academic department.

# Material Resources

Through the generous gifts and bequests of friends over the years, the University has accumulated endowment funds with a market value of \$1.48 billion as of December 31, 2016.

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.

**Abell-Hanger Professorship in Gerontological Nursing** was endowed for the Harris College of Nursing & Health Sciences 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.

**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 Jo Beth Jimeron.

**Andrews Chair of Interdisciplinary Studies in the John V. Roach Honors College** was established in the John V. Roach Honors College by an endowment from Dr. and Mrs. Paul E. Andrews in 2017. The chair is currently open.

**Andrews Chair of Mathematics & Science Education** was established in the College of Education by an endowment from Dr. and Mrs. Paul E. Andrews in 2017. The chair is held by Molly Weinburgh.

**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 Neeley School of Business in emphasizing the increasingly global nature of business. The professorship is held by William C. Moncrief III.

**Bezos Family Foundation Endowed Chair for Early Childhood Education** was established in 2020 through the generosity of the Bezos Family Foundation to enable the TCU College of Education to support a distinguished teacher and scholar in the College's Early Childhood - 6th Grade Education Program who has made significant contributions to the culture of the academy. The chair is held by Jan Lacina.

**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.

**Dr. Stan Block Chair of Finance** was established in the Neeley School of Business in 2001 through the generous gifts of Neeley School of Business alumni and friends. The chair is held by Larry J. Lockwood.

**Bloxom Foundation Professorship of Sports Entrepreneurship** was established in 2021 through the generosity of the David E. Bloxom, Sr. Foundation, in memory of David E. Bloxom '49. The professorship is held by an exemplary teacher and expert in the field of entrepreneurship in the Neeley School of Business who enhances the creativity and innovation of the university. The professorship is held by Anthony Banos.

**BNSF Railway Endowed Professorship in Leadership** was established in the Neeley School of Business in 2012 by the BNSF Railway Foundation. The professorship is held by Mary Uhl-Bien.

**A.A. Bradford Chair of Religion** in the AddRan College of Liberal Arts was established by Mrs. L.K. Helen Bradford in 1982, in memory of her husband, A.A. "Jack" Bradford, an alumnus and trustee of TCU. The chair is held by David Moessner.

**The I. Wylie and Elizabeth M. Briscoe Professor of History of Christianity and History of Christian Thought** was established in Brite Divinity School in honor of the Briscoes. The professorship in Hebrew Bible is held by James Duke.

**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 will be filled at a later time.

**Herman Brown Chair of Political Science** in the AddRan College of Liberal Arts was created in 1968 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 James M. Scott.

**Philip J. and Cheryl C. Burguières Professorship in Communication Studies** in the Bob Schieffer College of Communication was established by Mr. and Mrs. Philip J. Burguières of Houston, Texas in 2001. The professorship is held by Paul Schrodtr.

**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.

**Hunter Enis Endowed Chair in Petroleum Geology** in the College of Science & Engineering was established in 2013 by Shirley and Hunter Enis and Patti and Larry Brogdon, as well as through additional gifts made by friends and alumni. The chair is held by Richard Allen Denne.

**John M. Geesbreght M.D., M.S. FACEP Chair of Emergency Medicine**, provided by the generosity of John and Priscilla Geesbreght in 2018, was the first endowed chair established in the TCU and UNTHSC School of Medicine with the purpose of enhancing academic, research or clinical services/programs originated or approved by the Geesbreght Chair. The chair is currently held by Terence McCarthy.

**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 Francisco Lozada, Jr.

**Cecil H. and Ida Green Distinguished Emeritus Tutors** was funded by an endowment from Drs. Cecil H. and Ida Green. This position, established in 1980, provides an opportunity to name an emeritus tutor from among the ranks of TCU's emeritus faculty on a year-to-year basis.

**Cecil H. and Ida Green Honors Chair** was established in 1969, 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.

**Luther A. Henderson University Chair of Leadership** was established in the Neeley School of Business in 2004 by an estate gift from Mr. Luther A. Henderson. The chair is held by David G. Allen.

**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.

**Harold D. and Imogene Herndon Professorship in Music** was established in the College of Fine Arts in 1978 by a gift from Dr. and Mrs. Herndon. The professorship is held by John Owings.

**Houston Livestock Show and Rodeo Professorship in Ranch Management** was established in TCU Ranch Management in 1990 by the Houston Livestock Show and Rodeo Educational Fund. The professorship is held by Matt McLennan.

**Al and Dawn Hoffman Chair of the American Ideal** was established in 2020 in the AddRan College of Liberal Arts at Texas Christian University to support a distinguished teacher and scholar in the Department of Political Science who will study and strengthen a culture of civil political discourse and shared ideological understanding, addressing a rise of contempt in American society among those of differing viewpoints. The chair is currently open.

**The Rt. Reverend Sam B. Hulsey Chair in Episcopal Studies** was established in 2010 and is held by Ed Waggoner.

**Lyndon B. Johnson Chair of United States History** was created in 1976 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 Alan Gallay.

**Ann M. Jones Endowed Chair of Special Education** was established in the TCU College of Education through a gift from Mr. and Mrs. Jon Rex Jones in 2010. The chair is held by Audrey Sorrells.

**Teresa Ann Carter King Dean of the College of Fine Arts** was established through the generosity of the Luther and Teresa King Family Foundation in 2018 to enhance TCU's ability to recruit and retain a world-class dean to lead the College. The deanship is held by Amy Hardison Tully.

**Kay and Velma Kimbell Chair of Art History** was established in the College of Fine Arts through an endowment grant by the Kimbell Art Foundation in 1994. The chair is currently held by Lori Boornazian Diel.

**Kleinheinz Family Foundation Endowed Chair of International Finance and Investments** was established in 2013 in the Neeley School of Business through the generosity of John and Marsha Kleinheinz. The chair is presently held by Paul Irvine.

**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.

**Robert and Maria Lowdon Chair of Finance** was established in 1988 by an endowment from Robert and Maria Lowdon to bring to the Neeley School of Business a nationally prominent scholar in the field of business. The chair is held by John Bizjak.

**Erma and Ralph Lowe Chair of Texas History** in the AddRan College of Liberal Arts was the first chair of Texas History at any institution of higher education in the state. The chair was created in 2002 through an endowment gift from the Mary Ralph Lowe Foundation of Houston to honor Ms. Lowe's parents. The chair is 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 Robinson.

**Ross B. Matthews Professorship in Petroleum Engineering** in the College of Science & 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.

**William Walt Matthews Directorship of the TCU Ranch Management Institute** was made possible by a gift from friends and family of Mr. Matthews. The Institute was established in the 1990s as an outreach accompaniment to the Ranch Management academic program. The directorship is held by Jeffrey C. Geider.

**Charles B. Moncrief Chair of Geology** in the College of Science & Engineering 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.

**W.A. "Tex" Moncrief, Jr. Chair of Physics** in the College of Science & Engineering was also established by Mr. and Mrs. Moncrief in late 1984. The chair is held by Zygmunt Gryczynski.

**W.A. "Tex" Moncrief, Jr. Founding Chair of Engineering** in the college of Science & Engineering was established in 1991 by Mr. and Mrs. Moncrief. The chair is held by Efstathios Michaelides.

**The Oscar and Juanita Monnig Endowed Chair of Meteoritics and Planetary Science** in the College of Science & Engineering was established in 2016 with funding from the estate of Juanita and Oscar Monnig. The chair is held by Rhiannon Mayne.

**Dr. Ronald E. Moore Professorship in Humanities in the Honors College at TCU** was established through the generosity of the late Dr. Ronald E. Moore in 2020 to enable the John V. Roach Honors College to honor a distinguished teacher and scholar in the Humanities who enhances the intellectual climate of the University and serves as an example to faculty colleagues and students. The professorship is held by Frederick Gooding Jr.

**M.J. Neeley Professorship in Accounting** was established in 1981 to advance and strengthen the accounting program in the Neeley School of Business. The professorship is held by Karen Kristine Nelson.

**M.J. Neeley Professorship in Management** was established in 1981 to advance and strengthen the management program in the Neeley School of Business. The professorship is held by Abbie Ship.

**Neeley School Endowed Professorship in Business** was provided by the generosity of anonymous donors in 2022. The professorship enables the Neeley School of Business to support a distinguished teacher and scholar who enhances the intellectual climate of the university and serves as an example to faculty colleagues and students. The professorship is currently open.

**Paula R. and Ronald C. Parker Endowed Professorship in Nursing** was established in the Harris College of Nursing & Health Sciences by Mr. and Mrs. Ronald C. Parker in 2017. The professorship is held by Carol Howe.

**A.M. Pate, Jr. Professorship in History** is funded by a generous gift from A. M. Pate, Jr., and family. The professorship is currently awarded to a faculty member in the Department of History in recognition for excellence in research and writing and is designed to assist the awardee with support for completing a book project. The professorship is rotating.

**Neville G. Penrose Chair of Latin American Studies** was established in the AddRan College of Liberal Arts in 1989 by an anonymous gift to honor Dr. Penrose's interest in Latin American/U.S. relations. The chair is currently open.

**John William and Helen Stubbs Potter Professorship in Mathematics** was established in 1995 by a gift from Deedie Potter Rose and Rusty Rose in honor of Mrs. Rose's parents. The professorship is currently open.

**Lillian Radford Chair of Rhetoric and Composition** was established in the AddRan College of Liberal Arts in 1984 by a gift from the Rupert Radford Estate Trust and a grant from the National Endowment for the Humanities. The chair is held by Carmen Kynard.

**The W.F. "Tex" and Pauline Curry Rankin Professorship in Nursing** was established in 1997 in the Harris College of Nursing & Health Sciences by W.F. "Tex" and Pauline Curry Rankin. The professorship is held by Ashley Franklin.

**Rees-Jones Directorship Endowment for the Karyn Purvis Institute of Child Development** was established in 2013 by The Rees-Jones Foundation to support the director of the Karyn Purvis Institute of Child Development. The directorship is held by David R. Cross.

**Jean W. Roach Chair of Laboratory Schools** was established in the TCU College of Education 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 held by Damien Patton.

**John V. Roach Dean 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 Neeley School of Business. The chair is held by Daniel Pullin.

**Deedie Potter Rose Chair of Art History** in the College of Fine Arts was established in 2004 through a generous gift by Deedie Potter Rose to bring to the Department of Art and Art History a nationally prominent scholar in the field of contemporary art. The chair is currently open.

**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 directs teaching and research in Jewish studies for Brite and TCU. The chair is held by Ariel Feldman.

**Lance Corporal Benjamin Whetstone Schmidt Professorship in History** was established in 2012 by a generous gift from Teresa and David R. Schmidt, M.D., in honor of their son Marine Lance Corporal Benjamin W. Schmidt, a scout sniper who was killed in Helmand Province, Afghanistan on October 6, 2011. The professorship is held by Kara Dixon Vuic.

**Saul B. Sells Chair of Psychology** in the College of Science & Engineering was established in 1992 by a bequest of the late Dr. Sells, who founded TCU's Institute of Behavioral Research in 1962. The chair is held by Kevin Knight.

**Lorraine Sherley Professorship in Literature** in the AddRan College of Liberal Arts was created through a bequest by Dr. Lorraine Sherley, a former professor in TCU's English Department, in 1984. The professorship is held by Sarah Ruffing Robbins.

**Don L. Smith, MD Endowed Chair of Pre-Health Professions** was established in the College of Science & Engineering by Dr. Philip C. Bechtel in 2017. The professorship is currently open.

**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.

**Wassenich Family Endowed Chair in the John V. Roach Honors College** was established in 2000 by Mark Wassenich '64 and Linda Wassenich '65. The chair is held by Ronald Pitcock.

**The Granville T. and Erlene H. Walker Professorship in Homiletics** was established in 1991 in honor of the ministries of Granville and Erlene Walker. The professorship is held by Lance Pape.

**John F. Weatherly Professorship in Religion** was established in 1959 through an endowment gift by the A.D. Weatherly family. The professorship is held by Darren J. N. Middleton.

**Robert A. Welch Chair of Chemistry** in the College of Science & Engineering was established in 1974 by The Robert A. Welch Foundation of Houston to recognize distinguished achievement in the field of chemistry. The chair is held by Eric Simanek.

**James L. and Eunice West Chair of American Enterprise** in Marketing was created in 1980. The chair in the Neeley School of Business 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.

**James L. and Eunice West Chair of Supply Chain Management** in the Neeley School of Business was created in 2005 and is held by Morgan Swink.

**A.J. and Edna Pickett Endowment for the Clotilda Winter Professor of Education** was established to endow a professorship in the TCU College of Education. The professorship is held by Michelle M. Bauml.

**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 Neeley School of Business. The professorship is held by Audra Leigh Boone.

**J. Vaughn and Evelyne H. Wilson Chair of Marketing** in the Neeley School of Business 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.

**J. Vaughn and Evelyne H. Wilson Professorship in Business** in the Neeley School of Business 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.

**J. Vaughn and Evelyne H. Wilson Professorship in Business** in the Neeley School of Business 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 Minakshi Trivedi.

**Betty S. Wright Chair in Applied Ethics** in the AddRan College of Liberal Arts was created in 2002 from the estate of Betty S. and Hal James Wright '32. The chair is held by Richard Galvin.

**Hal Wright Chair of Latin American Economics** in the AddRan College of Liberal Arts was created in 2002 from the estate of Betty S. and Hal James Wright '32. The chair is currently open.

## Named Lectureships

The following named lectureships, either annually funded or endowed, have been established:

**Robert D. Alexander Endowment for the Liberal Arts** was provided by the Robert D. and Catherine R. Alexander Foundation and enables the AddRan College of Liberal Arts to support a biennial lecture series that explores the relevance of a liberal arts education and its role in contemporary society.

**Jane and Pat Bolin Innovation Speaker Forum** was established by Jane and Pat Bolin to introduce transformational business leaders and their ideas to audiences on campus.

**The Kenneth W. Davis, Jr. Endowed Lectureship at Texas Christian University** was established by the generosity of Kenneth W. Davis, Jr. It welcomes distinguished speakers who promote energy-related dialogue and enhance our understanding of energy-related issues.

**Earl E. Dyess Lectureship in Marketing** was established by Jack Blanton, Jr. in honor of his father-in-law.

**Florsheim Family Lecture Series in Ethics** was established in 2010 by Charles Florsheim '71, Ann Florsheim '71, Charles C. Florsheim '00, Sarah Florsheim '01 and Claire Florsheim '05. The lecture series examines contemporary moral issues.

**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.

**Frost Foundation Lectureship for Global Issues** was established by the Denver-based Frost Foundation. This endowed initiative provides

lectures and programs addressing global concerns, offering innovative, creative, practical solutions to global issues, and inspiring the TCU community to live and work ethically and responsibly in the 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.

**Geography Department Endowed Speaker Program** was established in 2011 to enable the Department of History and Geography to welcome guest speakers who give lectures on various geographic topics.

**Govetzian Family Fund for Communication Studies** was established in 2013 by Ken and Lori Govetzian to create a speaker series for the Department of Communication Studies.

**JoAnn Houston Outstanding Contemporary Thinkers 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.

**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.

**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.

**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.

**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, provide for an outstanding lecturer on "Crucial Current, National and International Issues from the Christian Point of View."

**Nancy Quarles Stuck Art History Lecture Fund** was established 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.

**Jim Wright Symposium 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.

**Professor Frederico and Joana Xavier Endowed Mathematics Lectureship** was established through the generosity of Dr. Fred Xavier, the John William and Helen Stubbs Potter Professor in Mathematics Emeritus, in honor of Dr. Xavier's wife, Joana Xavier, in 2021. The endowment funds a lecture series in mathematics.

## Research and Departmental Funds

**Dr. Kristen Adams Memorial Fund for Starpoint and KinderFrogs** was established in 2021 through the generosity of Sarah and Lee Stuckel to provide discretionary funds for the Director of the Lab Schools at Texas Christian University to take advantage of opportunities and meet needs as they arise.

**Larry D. Adams International Award** was established in 2012 by friends to honor Dr. Larry D. Adams.

**Alcon Endowment for Ophthalmology Excellence** was established in 2019 by Alcon Vision, LLC to meet needs in the TCU and UNT School of Medicine and expand opportunities in ophthalmology.

**Catherine 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.

**Julian Carr Aliber '15 Endowed Fund in Kinesiology** was established in 2014, by Bill and Kim Aliber in honor of their daughter, Julie. It helps the Harris College of Nursing & Health Sciences to support undergraduate research in Kinesiology.

**The Duma Family Endowed Fund in Kinesiology** was established in 2022 by Christopher and Jessica Duma. The fund is used to support purchase or upgrade of equipment used in training as well as student research and travel related to Kinesiology.

**Elizabeth Brackin Allen Endowed Nursing Fund** was established in 2016 within the College of Nursing & Health Sciences by Elizabeth and Daryl Allen to help junior and senior level nursing students to advance their Honors research projects.

**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.

**Adam Andrea Study Abroad Endowed Fund** was established in 2017 within the College of Education by Adam, Christina and Rudy Andrea and family to support students who participate in its International Study Abroad program.

**Andrea Mennen Family Endowed Fund for the ANSERS Institute** was established in 2017 within the College of Education by Adam, Christina and Rudy Andrea and family to fund activities and programs which help provide exemplary teaching, creative research and community outreach to advance special education.

**Andrews Institute of Mathematics, Science and Technology Education Endowment** was established in 2007 within the College of Education through a gift from Paul and Judy Andrews for the purpose of providing undergraduate and graduate scholarships for students in math and science education, to fund outreach programs for k-12 math and science teachers, students and their parents, to support collaborative faculty research and market the institute and its programs.

**David A. Archer Fund for Excellence in Honors** was established in 2017 the John V. Roach Honors College by David A. Archer and Ms. Phyllis Panenka to elevate teaching and learning in the Honors College.

**AXA Endowed Fund** was established by Jeff and EvMarie Angelovich in 2009. It allows the Department of Film, Television and Digital Media to welcome industry professionals to campus so they can speak to students.

**Barrentine Values and Ventures® Endowed Fund** was established in 2013 by Lisa and Ron Barrentine to support the TCU Richards Barrentine Values and Ventures® Competition.

**Barry Family/ Goldman Sachs Student Experience Endowment** was established in 2017 by Mr. and Mrs. Steven M. Barry in honor of their daughter, Shannon Barry '19, and enables the Department of Fashion Merchandising to support travel and internship opportunities for students with financial need.

**Mary Evans Beasley Endowment for Campus Beautification** was established in 1987 to help provide landscaping to beautify the TCU campus.

**Theodore Beasley Faculty Fellowships in the Neeley School of Business** were established in 2000 by The Theodore and Beulah Beasley Foundation, Inc., to honor the memory of Theodore Beasley.

**Bebout Wellness Center for the Helping Professions** was established in 2019 by the Bebout Family Foundation to provide ongoing wellness programming in the Bebout Wellness Center for students, faculty and staff in nursing and other healthcare professions.

**Alann P. Bedford Endowment Fund** was established in 1995 through a planned gift from Alann P. Bedford to support the Neeley School of Business.

**Bennett Family Endowed Dean's Fund for Excellence** was established in 2016 within the College of Science & Engineering by Dr. William F. and Charis Bennett to support student research and special projects.

**Berdan Family Endowment** for the TCU School of Medicine was provided by the generosity of Marsha and Barclay Berdan in 2021 to enable the TCU School of Medicine to support the use of simulation technology that benefits medical training.

**Biegert Values and Ventures® Endowment** was created by Jeff and Sally Biegert in 2012 to aid the Neeley Entrepreneurship Center in enhancing its many activities and further strengthening its national reputation.

**Dr. Brent Blackburn Family Endowed Dean's Fund for Excellence** was established in 2017 within the College of Science & Engineering by Dr. Brent K. Blackburn to support student research and special projects.

**Block T Legacy Endowed Fund** was established in 2013 by the TCU Lettermen's Association Board of Directors to assist with athletic capital projects, strengthen scholarships for student-athletes and address the University's greatest needs.

**BNSF Neeley Leadership Program** is funded through an endowment that was established by the BNSF Foundation in 2006. The BNSF Neeley Leadership Program facilitates unique learning opportunities for some of the Neeley School's most promising students.

**Willene Glass Boger and Allen Dickson Boger, Jr. Endowment for the College of Science & Engineering** was established in 2014 by Mr. and Mrs. Allen Boger to assist with needs in the College of Science & Engineering.

**Boller Honors Fund**, established by Dr. Paul F. Boller, Jr., allows the John V. Roach Honors College to award prize money each year for the Boller Award, which is given in recognition of the best Senior Honors Projects.

**Dr. Paul F. Boller, Jr. Endowed Fund for TCU Press** was created in 2014 through a bequest from Dr. Boller's estate.

**Paul Boller Humanities and Fellowship Funds** provide travel grants and dissertation support for graduate students in history, enabling them to conduct research or attend conferences.

**Rev. and Mrs. Paul F. Boller Endowment Fund** was established by Dr. Paul F. Boller, Jr. in 1981. It supports the John V. Roach Honors College.

**Drs. Mark and Ari Brown Endowed Fund** in the College of Science & Engineering was established in 2020 by Ari and Mark Brown to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Rebecca Brumley Service Learning Endowment Fund** was established in 2017 by Mr. and Mrs. Ira J. Brumley to enable the TCU and UNTHSC School of Medicine to extend medical students opportunities to give back to the local community, practicing servant leadership.

**R. Keith Bunch '95 Excellence in Taxation and Accounting Fund** was established through the generosity of Keith Bunch in 2021 and enables the Neeley School of Business to enhance and support the curriculum of the Master of Accounting (MAc) concentration in Taxation through activities and resources such as faculty awards, guest speakers, conferences, seminars and tutoring.

**Anne Burnett and Charles Tandy Endowment** was established in 1979 by the Anne Burnett and Charles Tandy Foundation.

**Buschman Endowed Fund** in the AddRan College of Liberal Arts was established in 2010 through a bequest from the estate of Robert Alfred Buschman.

**Robert and Jerita Buschman Fund for Theatre** in the College of Fine Arts was established by Mr. Robert Buschman and Ms. Jerita Foley Buschman in 1986 to provide budget support for the Department of Theatre and especially for theatre production activities.

**John L. Butler Endowed Fund for Internships** was endowed in 2004 through the gifts of numerous donors. The fund provides support for student interns in the University Ministries Program.

**Kenneth and Kaylynn Caldwell Leadership Excellence Award Endowment** was established in 2020 through the generosity of Kenneth and Kaylynn Caldwell and enables the Air Force ROTC at TCU to provide an annual award for the top-performing cadet in the Air Force Reserve Officer Training Corps.

**Vicky Vinson Cantwell Ant History Fund for Curatorial Programming** was established in 2019 by Vicky and Greg Cantwell to enable the College of Fine Arts to enhance the Art History Program by providing funds for museum and/or art world professionals to engage with and educate TCU students.

**Electra Carlin Art Department Endowment** in the College of Fine Arts was established in 2001 by a bequest from Mrs. Carlin's estate. The fund underwrites exhibitions of Texas artists.

**Center for Civic Literacy Endowment** was created in 2006 through gifts from Teri Baker O'Glee '78 and the Brown Foundation, Inc. of Houston. The endowment benefits activities of TCU's Center for Civic Literacy.

**Center for Digital Expression** is housed in the AddRan College of Liberal Arts and was primarily funded through gifts from Clarence and Kerry Scharbauer.

**Center for Texas Studies Endowment** in the AddRan College of Liberal Arts is funded through an endowment that was established in 2003 to support the Center in its mission to celebrate all that makes Texas distinctive.

**Center for Urban Studies** is housed in the AddRan College of Liberal Arts and was primarily funded through gifts from Clarence and Kerry Scharbauer.

**Cerkleski Family COE Endowed Fund** was established in 2019 by the Cerkleski Family Charity Foundation to enhance the proficiency of students in the TCU College of Education through programming activities.

**MD School Endowed Faculty Fund in Honor of Dr. Jacqueline Chadwick** was established by anonymous donors in 2018 for the dual purposes of promoting faculty development in servant leadership and supporting student-to-student wellness and mentoring in the TCU and UNT School of Medicine.

**Brent Chesney Endowed Student Fellowship** in the Bob Schieffer College of Communication was established in 2014 by Brent Chesney '85 to recognize outstanding students in the Washington Internship Program.

**Clark Family Neeley School Endowed Fund** was established in 2019 through the generosity of Pamela and Edward Clark and provides unrestricted support for the Neeley School of Business at Texas Christian University.

**Clark Society Endowed Faculty Fund** was established in 2020 by members of the Clark Society to recognize outstanding work by professors across various disciplines through an award of funds to be used for teaching, research and creative programming, with the ultimate goal of benefiting students.

**Dr. Melvin E. Clouse Endowed Faculty Research Fund** was established in 2018 by Dr. and Mrs. Melvin Clouse to support faculty research in interventional radiology in the TCU and UNTHSC School of Medicine.

**Connelly Fundy for Career Readiness** was established in 2019 by Julie and Claude Connelly and enables the Alcon Career Center in the Neeley School of Business to prepare Neeley's graduates for the global job market.

**Louise and Frieda Cristol Endowment for Academic Programming in Jewish Studies** was established by Bernice Cristol Selman '37 in 2001.

**Caroline I. Cutrona Endowed Fund** was established in 2019 by the Cutrona Charitable Foundation to enable the TCU Laboratory Schools, Starpoint School at TCU and KinderFrogs School at TCU, to provide support which benefits its students and programs.

**Gholi Darehshori Endowment for Intercultural Engagement** was established through the generosity of the Darehshori family in 2021 to enable International Services to create programming that supports both international student needs and develops skills necessary for foreign service in TCU students with an interest in intercultural engagement.

**Davies School of Communication Sciences & Disorders Endowment** was established in the Harris College of Nursing & Health Sciences in 2014 by Ms. Marilyn E. Davies to create dynamic opportunities for TCU students and faculty which will substantially impact the quality and reputation of TCU's programs in speech-language pathology and habilitation of the deaf.

**Marilyn and Morgan Davies Endowed Dean of Harris College of Nursing & Health Sciences** was established through the generosity of Marilyn E. Davies in 2021 to enhance TCU's ability to recruit and retain a world-class Dean to lead the Harris College of Nursing & Health Sciences and supports priority initiatives in the College and in the Davies School of Communication Sciences & Disorders.

**Davis Family Entrepreneur-in-Residence Endowment** was provided by Barry and Antoinette Davis in 2008 to support the work of a distinguished scholar within the Neeley Entrepreneurship Center. The position is open.

**Lou Hill and Ralph Davidson Endowment for the Karyn Purvis Institute of Child Development** was established in 2006 within the College of Science & Engineering by Lou Hill '64 and Ralph Davidson to aid the institute in its areas of research training and service.

**J.E. and Marguerite Dawdy Ranch Management Field Studies Endowment** was established in 2018 by Gwen Kunz to honor her aunt and uncle who were ranchers in Matagorda County and provides support for Field Studies in Ranch Management.

**DeCorrevont Family Endowed Fund for TCU Rowing** was established in 2015 by the John and Patrice DeCorrevont Family to provide support for the TCU Rowing Club, which is housed within the TCU Department of Campus Recreation.

**Department of Interior Design Excellence Fund** in the College of Fine Arts was provided by an anonymous donor to enhance the student experience in the Department of Interior Design.

**William M. Dickey Entrepreneur-in-Residence** was established by a gift from the estate of Houston real estate developer William M. Dickey. Michael Sherrod holds this position.

**Doll Family Endowed Fund** was established in 2019 by David and Heidi Doll in honor of Graham Doll and Erin Elizabeth Doll to enhance the first-year experience at Texas Christian University.

**Dr. Geraldine F. Dominiak English Department Endowed Writing Fund** was established through a bequest by Geraldine Dominiak in 2020 to support the writing component of the English Department and is used for expenditures not covered by the department's budget.

**Dr. Ray Drenner Biology Student Research Fund** was established in 2021 through the generosity of Dave Hambricht, Ph.D., and Pamela Genova, Ph.D., and former students of Dr. Ray Drenner to enable the College of Science & Engineering to support student research in biology at TCU in perpetuity. This gift was made in Dr. Drenner's honor to support future generations of TCU students and gratefully recognizes his 44 years of teaching and mentoring at TCU.

**Meagen Driskill Endowment for Excellence in Nursing** was provided by the generosity of Dr. Meagen Driskill in 2021 to provide unrestricted support for TCU Nursing in the Harris College of Nursing & Health Sciences at Texas Christian University, allowing for direct and immediate action when unique opportunities arise.

**Duncan Faculty Fellowship** in the Neeley School of Business was established in 2006 through a bequest from the estate of Robert Roy Duncan '40 and Margaret F. Duncan '41.

**Eugenia C. Dussourd Nutritional Science Programming Fund** was established in 2016 through a bequest by Mrs. Dussourd in recognition of her gratitude for her years spent as a TCU student obtaining her home economics degree. It supports the Department of Nutritional Sciences in the College of Science & Engineering.

**Eagle Family Excellence Fund** was established in 2017 by the John and Jennifer Eagle family to engage the School of Art in the College of Fine Arts to expose students to the world of art beyond the classroom.

**Vera Turbeville Edelbrock Alumni Program Endowment** was created in 2000 through a bequest from Mrs. Edelbrock's estate.

**Vera Turbeville Edelbrock Art Endowment** in the School of Fine Arts was created in 2000 through a bequest from Mrs. Edelbrock's estate.

**Vera Turbeville Edelbrock College of Education Endowment** was created the College of Education in 2000 through a bequest from Mrs. Edelbrock's estate.

**Endowed Faculty Fund for Faculty Mentoring & Collaborative Research** was established in 2010 by Dr. Cathy Collins Block to enable junior faculty in the College of Education to be mentored and conduct collaborative research with a leader in their field of education.

**Endowed Student Fund for International Business Programs** was established in 2008 within the Neeley School of Business by an anonymous donor to support students participating in its international initiatives.

**Melissa and Arthur A. Epley Excellence Fund** in Interior Design was established in 2018 by Mr. and Mrs. Arthur A. Epley to help support projects and pressing needs in the Interior Design Department as they arise.

**Mary G. Esch and Mary N. Esch Endowment Fund** was established through by the generosity of the John B. Esch Family in 2021 to enable the TCU School of Medicine to offer financial assistance to students in the Scholarly Pursuit and Thesis Course for expenses related to their thesis, such as conducting their research and presenting their findings at professional conferences or meetings.

**Executive-in-Residence for Consulting** was established in 2021 through the generosity anonymous donors and enables the Neeley School of Business to engage a high-profile senior executive for consulting in the life of the Neeley School for an entire semester annually.

**Fashion Merchandising Student Experience Endowment** was established anonymously in 2017 within the College of Fine Arts to support travel and internships for fashion merchandising students, especially those who would otherwise be unable to afford such opportunities.

**Felner Family Washington Semester Endowed Fellowships Fund** was established in 2019 by Diana and Craig Felner to enable students with financial need in the Bob Schieffer College of Communication to spend a semester at the Bob Schieffer College of Communication in Washington, D.C.

**Michael R. Ferrari Award for Distinguished University Service & Leadership** was established by the Board of Trustees in honor of the University's ninth chancellor and recognizes a faculty or staff member for significant leadership.

**Finie Nursing Practice Laboratory Endowment** was created in 2017 by Christine and Paul Finie within the College of Nursing & Health Sciences to stock and maintain the practice lab.

**John and Beck Fitch Family Fund** was established in 2019 by Mike Fitch D.O. MOH, enable the College of Science & Engineering to maintain an active presence in the community for the purpose of recruiting students interested in STEM fields to Texas Christian University.

**William E. Forehand Endowment for Undergraduate Business** in the Neeley School of Business was established in 2014 by the estate of Mr. William E. Forehand.

**Russ '96 and Cassie '97 Fothergill Endowed Fund** in the College of Science & Engineering was established in 2020 by Cassie and Russ Fothergill to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Allen Fozzard Leadership Development Fund** was established in 2015 by Mr. and Mrs. Peter A. Fozzard to support the BNSF Neeley Leadership Program in the Neeley School of Business.

**Frog Camp Endowment** in TCU Student Development Services was established in 2014 by TCU alumni and friends to cover costs for attendees who would not otherwise be able to participate.

**Jane Armstrong Furche Endowment Fund** in the AddRan College of Liberal Arts was established in 2017 through a bequest from Jane Armstrong Furche as well as a gift from each of her children, Anthony, Bradford and Elizabeth Armstrong, to benefit the department of religion.

**William Galyean Endowment for Graphic Design** was established in 2017 in the College of Fine Arts by Mr. and Mrs. Paul V. Holland to support the needs of the department of graphic design.

**Garrett Ranch Management Endowed Fund** was created by Michael and Toni Garrett in 2011. It equips TCU Ranch Management with necessary resources to better support its operations.

**Gibson Endowed Geography Fund** was established in 2010 by E. Lawrence Gibson '51 in honor of Dr. Martine Emert to support field trips for geography students.

**Robert E. Glaze Endowment Fund** was established through a gift from Mr. and Mrs. Robert E. Glaze of Dallas.

**Callie Bowers Green Endowment** was established in 2013 by a bequest from Mrs. Green and supports TCU's Internship Scholarship Program.

**Ms. Grace H. Griffin '20 Endowed Summer Study Award in Fashion Merchandising** was established in 2020 through the generosity of David and Kirsten Griffin and enables the Fashion Merchandising Program in the College of Fine Arts to support travel that provides experiential education opportunities for Fashion Merchandising majors.

**Robert Allan and Mary Elizabeth Bowie Guyton Endowment** was established in 2020 through the generosity of Beth and Robert Guyton and enables the TCU and UNTHSC School of Medicine to support academic development of cardiovascular medicine.

**Haley Family Fund for Medicine and the Arts** was established in 2018 by Mr. and Mrs. Bill Haley to provide funding for the Patient Communication Program at the TCU and UNTHSC School of Medicine in Collaboration with the TCU College of Fine Arts.

**Hamilton Family eleven4seven Endowed Fund** was established in 2013 by Emory and Frederic Hamilton in honor of their daughter, Helen. It enables TCU's student-run journal of the arts to enhance its operations and better showcase students' work with print and online media.

**Dr. Bruce and Mrs. Melissa Harrell Endowed Fund** in the College of Science & Engineering was established in 2016 by Dr. and Mrs. Bruce Harrell to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**The Harris College Fund Endowment** was established in 2014 by an anonymous donor.

**Harris College Strategic Initiatives Fund** was established in 2016 by a gift from the estate of Mr. Warner Frank Rankin, Jr. and supports TCU's Harris College of Nursing & Health Sciences by accelerating strategic initiatives within the college.

**Dr. Phil Hartman Endowed Director's Fund for Excellence** in the College of Science & Engineering was established in 2015 by a group of donors in honor of Dr. Phil Hartman to provide flexible operating support for the Pre-Health Professions Institute Director.

**HELP Center Fellowship for LGBT Health** was established in 2019 by the Health Education Learning Project to support original research in the TCU and UNT School of Medicine in the area of LGBT health and wellness by the HELP Center Fellow to expand access to care and services for the LGBT community.

**Mark Henderson Art History Endowment** was established through a gift from Mr. Henderson of Los Angeles, California in 2004 and provides support for students and faculty in the Department of Art and Art History.

**Hendrick Endowed Fund for Undergraduate Research** was established in 2019 by Katherine Hendrick will enable the John V. Roach Honors College at Texas Christian University to support undergraduate Honors students conducting research projects within the college.

**Trevor Harrigan Hodne Memorial Fund** was established in 2006 by Kim and Garrett Hodne and enables the Karyn Purvis Institute of Child Development to provide support to adoptive families and the professionals who serve them.

**History Department Endowed Fund** was established in 2019 to support undergraduate programming and recruitment.

**Dawn and Brian Hoesterey Student Excellence Fund in Honors Business** was established in 2013 in the Neeley School of Business by Dawn and Brian Hoesterey. It enhances the Neeley Fellows Program experience through educational research and travel opportunities.

**Honors College Community Fund** was established through the generosity of anonymous donors in 2021 to enable the John V. Roach Honors College to enhance the Honors experience through increasing the number and types of engagement activities that build community and connection among Honors students, providing a support system that helps to ensure student success.

**Honors Professor Award Endowment** was established in 1997 by Linda and Mark Wassenich to endow an annual award recognizing an outstanding professor in the John V. Roach Honors College.

**G. Dallas Horton Economics Research and Travel Fund** was established in 2008 by G. Dallas Horton '92 to support travel and research in the Economics department.

**Lucile Maxine Houston Endowed Fund** was established in 2000 through a bequest from Ms. Houston to benefit the Harris College of Nursing and Health Sciences.

**Mary E. Hughes Student Loan Fund** was established in 2003 through a bequest from Ms. Hughes to fund student loans at TCU.

**Daniel Hund Endowed Excellence Fund** was established in 2020 through a bequest from Daniel C. Hund '07 and a gift from Tom and Judy Hund to support travel for students with financial need in the Master of Accounting (MAc) Program in the Neeley School of Business.

**Paul Ifland Endowed Fund for Chemistry** was established in 2014 by a bequest from Dr. Ifland and benefits TCU's Chemistry Department.

**Ignite Campus Ministries Endowed Fund** was established by Cindy and Harry Holmes in 2012. It provides technical and administrative support for Ignite Campus Ministries.

**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 Ranch Management graduates and cattle industry leaders, and to expand the existing program's reach internationally.

**Jim and Wyn Jacobsen Band Fund** was funded by the TCU Ex-Bandsmens' Association in honor of Jim Jacobsen, former TCU band director, and his late wife, Wyn.

**The Jewish Community Life Endowed Fund** was established in 2021 through a gift from the Fort Worth Community Council for Hillel, Inc., a Texas non-profit corporation, and originated from a bequest in the Will of Josephine K. Tills. It enriches the lives of Jewish undergraduate and graduate students by providing a pluralistic, welcoming and inclusive environment that encourages them to grow intellectually, spiritually and socially.

**Glenn and Deborah Johnson Family Endowment for History** was established in 2019 by Glenn and Deborah Johnson to provide added support for Department faculty as well as for Department undergraduate majors and Department graduate students, thereby strengthening the Department programming and overall educational experience.

**Sarah and Reginald L. Jones III Fund for the Neeley School of Business** was established in 2021 to support the Values and Ventures® Program in the Neeley School of Business.

**Makenzie Keely Endowed Fund for Fashion Merchandising** was established by Diane and Edward Keely in 2019 to provide budget-enhancing support to the Department of Fashion Merchandising.

**Dee J. Kelly Alumni & Visitors Center Endowment Fund** was established in 2005 by Mr. and Mrs. Dee J. Kelly to provide support for the Kelly Center.

**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.

**David and Marie Louise Kinder Executive-in-Residence Endowed Fund** was established in 2021 through the generosity of Marie Louise and David Kinder in the Neeley School of Business to support the engagement of a high-profile senior executive annually, who will utilize the position to enhance and elevate the network and profile of the Neeley School and the greater Fort Worth business community.

**Luther King Capital Management Center for Financial Studies** is funded through an endowment established by the Luther King Capital Management Corporation in 2002 and exists to enhance the quality, prestige and national visibility of finance programs at the Neeley School of Business with outstanding faculty, top students, industry partnerships and excellent employment opportunities for graduates.

**Luther and Teresa King Ranch Management Information Resources and Program Enhancement Fund** was established in 1995 by Mr. and Mrs. J. Luther King, Jr. to support the Institute of Ranch Management.

**Kintzinger Family Endowed International Studies Fund** was established through the generosity of Shannon and Stuart Kintzinger in 2021 and enables the Center for International Studies to support study abroad opportunities for students pursuing majors in graphic design, strategic communication, Business Information Systems or finance.

**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.

**Chuck Lamb Emerging Scholars in Marketing Endowment** was established in 2015 by Dr. Charles W. Lamb and Dr. Julie A. Baker, as well as through additional gifts made by friends and alumni, to bring promising doctoral and postdoctoral students to campus for short visits to conduct and/or present research and speak to classes in the Neeley School of Business.

**Last Man Standing Fund** was established in 2019 by the 16 remaining members of the 1973 Sigma Alpha Epsilon Pledge Class to enable the Frog Club to strengthen scholarship support for student-athletes.

**Lay-Williams Endowed Fund for Special Education** was established by Richard and Julianne Lay Williams and Carol Lay Fletcher in 2007 to benefit the Alice Neeley Special Education Research and Service Institute in its many endeavors.

**Lesley Family Foundation Endowment for the Karyn Purvis Institute of Child Development** was established by the Lesley Family Foundation in 2011 and enables the Institute of Child Development to bolster support for its general operations.

**Suzanne and Kevin G. Levy Endowment for the School of Art** was established in 2013 by Suzanne and Kevin Levy. It gives the School of Art flexibility in addressing a variety of needs related to the overall educational experience.

**Linbeck Construction Corp. Residential Life Program Fund** was established by the Linbeck Group in 2001. It enables student staff members in housing and residence life to pursue development opportunities.

**Linbeck Entrepreneurial Leadership Program Endowment** was provided by the generosity of Linbeck Group, and enables the Neeley Entrepreneurship Center to place qualified students into real-world entrepreneurial work experiences via paid internships.

**Linbeck Supply and Value Chain Endowment** supports the key initiatives within the Supply and Value Chain Center. The endowment was created by Linbeck in 2004.

**Dr. Brad and Mary Ann Loeffelholz Endowed Fund** in the College of Science & Engineering was established in 2015 by Dr. and Mrs. Brad Loeffelholz to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Lone Star Ag Credit Endowment** was established by Lone Star Ag Credit in 2017 within the TCU Institute of Ranch Management to help provide continuing education opportunities for Ranch Management students, faculty and alumni.

**Ralph Lowe Energy Management Program** was established in 2017 within the College of Science & Engineering by Mary Ralph Lowe in memory of her father. It enables students to earn a Certificate of Energy Management through the Energy Institute to prepare for careers in the energy industry.

**Anne W. Marion Endowment** was established by the late Anne Marion and The Burnett Foundation in 2019 to provide critical operating support for the TCU School of Medicine in perpetuity.

**The Matthews Family Endowment for Journalism** was established in 2015 by Tor and Kay Matthews to further elevate teaching and learning in the Bob Schieffer College of Communication and its journalism program.

**McCallum AddRan Faculty Development and Creativity Fund** was established by Jack and Dana McCallum in 2011 to support the AddRan College of Liberal Arts.

**Sue T. and Dwight M. McDonald '59 '59 Endowed Excellence Fund for AddRan College** was established in 2016 by the McDonalds to provide support which benefits students and faculty in AddRan College in the areas of professional development and creative activity.

**Floyd and Elizabeth McGown Endowed Fund for Excellence** was established by Andrew McGown in 2018 in memory of Mr. and Mrs. Floyd McGown and supports faculty and student experiential learning and research projects in the Engineering Department in the College of Science & Engineering.

**Christine Melody Perseverance Endowment** was established in 2019 by Martha and Todd Melody to enable Student Affairs to support student success at Texas Christian University.

**Miller Padgett Family Endowment** was established by the Padgett Family in 2016 to further elevate teaching and learning in the John V. Roach Honors College.

**The Jay and Gail Milner Distinguished Student Journalism Awards Endowment** was established in 2011 to enable the Bob Schieffer College of Communication and its department of journalism to annually recognize the work of outstanding student journalists.

**Dr. David Minter Chemistry Research Fund** was established by Dr. Brent Blackburn in honor of Dr. Minter in the College of Science & Engineering to enable the department of chemistry to foster collaborative research efforts between undergraduate students and faculty.

**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.

**Mittelstaedt/Waste Connections Innovation Award** was established through the generosity of Darin and Ron Mittelstaedt in 2021 to enable the Neeley School of Business to recognize a team each year at the TCU Values and Ventures® Competition whose venture shows promise to provide superior returns, remain environmentally responsible and grow in a disciplined way.

**W.A. "Monty and Tex" Moncrief Athletic Endowment** was established in 2003 by W.A. "Tex" Moncrief, Jr. to fund operations supporting football.



**W.A. "Tex" Moncrief, Jr. Athletic Endowment** was established in 1984 by Mr. Moncrief to benefit TCU's football and golf programs.

**Frank H. Moore Jr DDS and Frank H (Trey) Moore III MD Family Endowed Fund** was established in 2018 by Dr. Frank H. Moore, Jr. and Dr. Frank "Trey" Moore III to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Wayne & JoAnn Moore Endowed Faculty Fund** in the College of Science & Engineering was established in 2016 through the generosity of the Wayne and JoAnn Moore Charitable Foundation to provide support for faculty in the areas of research and professional development.

**Wayne and JoAnn Moore Endowed Faculty Fund in the Neeley School of Business** was established in 2021 through the generosity of the Wayne and JoAnn Moore Charitable Foundation to enable the Neeley School to provide support which benefits faculty in the areas of research and professional development.

**Mrs. Marcia and Dr. Brady Lee Mootz II Pre-Health Institute Endowed Programming Fund** in the College of Science & Engineering was established in 2011 by Dr. and Mrs. Brady Mootz II to support the Pre-Health Professions Institute.

**Alma and Robert D. Moreton Award for Research in Nursing** in the Harris College of Nursing & Health Sciences was established in 2000 by Mrs. Alma Moreton '44 in honor of her husband, Dr. Robert D. Moreton.

**J.P. Morgan Chase Mentoring Program in the Neeley Office of Inclusive Excellence** is a mentoring program which provides support for underserved and marginalized student populations through building experiential learning opportunities and underwriting events that allow students to interact both professionally and socially, helping develop their networking and social skills.

**Clifford E. Murphy Fund for Biology Student Research** was established in 2019 to support student research in biology.

**Terry L. Myers M.D., Ph.D., Excellence Award Endowment** was established in 2021 through the generosity of Marian K. Soloway Myers, M.D., and family to enable the TCU School of Medicine to establish an award which honors a graduating medical student who has excelled in pediatrics or genetics. This award was established in memory of Terry L. Myers M.D., Ph.D.

**Endowed Neeley Inclusive Excellence Fund** was established in 2019 by David Frazier to assist students and promote diversity, equity and inclusion for all Neeley students.

**Neeley Fellows Legacy Fund** was established in 2021 through the generosity of anonymous donors to enable the Neeley School of Business to enhance the Neeley Fellows program through providing high-impact cocurricular experiences to help the program accomplish new goals that push TCU and Neeley to new heights.

**Neeley Fellows Program** within the Neeley School of Business is funded through an endowment that was established to enhance the three-year business honors program experience.

**Neeley Premium Credentials™ Program** within the Neeley School of Business is funded through an endowment established by Mike and Marilyn Berry in 2009. The program offers targeted development for undergraduate business students so they can become more marketable leaders.

**Neeley School of Business General Endowment** was established in 2019 by Betsy and Dick Skorburg to provide support for the Neeley School of Business.

**Neeley School Executive-in-Residence** was established in 2020 through the generosity of anonymous donors and enables the Neeley School of Business to engage a high-profile senior executive in the life of the Neeley School for an entire semester annually.

**Neeley School Executive-in-Residence** was established in 2021 through the generosity of anonymous donors to enable the Neeley School of Business to engage a high-profile senior executive in the life of the Neeley School for an entire semester annually.

**Dr. Robert Neilson Chemistry Program Fund** was established in 2019 to support the chemistry department's mission.

**Notermann Family Student Opportunities Program in Fine Arts Endowed Fund** was established in 2021 through the generosity of Brenda Notermann to enable the TCU College of Fine Arts to provide funding for student opportunities, such as purchasing supplies, offsetting travel expenses and allowing students to participate in special training programs.

**Nowlan Family Excellence Fund in Entrepreneurship** was established in 2014 by Mr. and Mrs. John Nowlan to enable the Neeley School of Business to strengthen its undergraduate entrepreneurship program for students across the Texas Christian University campus.

**Kelly and Randy O'Donnell Family International Travel Fund** within the College of Fine Arts was established in 2017 by Kelly and Randy O'Donnell in honor of Courtney O'Donnell '17 to help the Department of Design support travel opportunities for interior design students.

**O'Hara Family Institute of Ranch Management Endowment** was established in 2019 by Linda and John O'Hara to provide operational support to the institute of Ranch Management at Texas Christian University.

**W. Jeffrey Paine, Jr. Endowed Fund in Economics** was established in 2020 through the generosity of Paula and Jeff Paine and enables the Economics Department to provide programming that enhances the student experience in economics.

**Payne Family Endowed Dean's Fund for Excellence** was established in 2019 by Robert Payne and Cynthia Crossland Payne to provide financial flexibility for the Dean of the College of Science & Engineering.

**Dr. Karyn B. Purvis Fellowship in Developmental Trauma** was established in 2014 by Mr. and Mrs. Doug Rock and the RockJensen Foundation to support a professional-in-residence fellowship within the Karyn Purvis Institute of Child Development.

**Karyn Purvis Institute of Child Development at TCU** is an endowment established by Betty and Jerry Ray in 1994 which supports the operations of the Institute.

**Rees-Jones Operations Endowment for the Karyn Purvis Institute of Child Development** was established in 2014 by Mr. and Mrs. Trevor Rees-Jones and The Rees-Jones Foundation.

**Rees-Jones Scholarship and Training Endowment for the Karyn Purvis Institute of Child Development** was established in 2014 by Mr. and Mrs. Trevor Rees-Jones and The Rees-Jones Foundation.

**Ann Hazelwood Regina Memorial Endowment for History** was established in 2012 by Charles and Judy Munnerlyn and Edward Regina to allow the Department of History and Geography to strengthen its programming and the overall educational experience for history majors.

**Beverly Yates Reilly Student Experience Fund for Fashion Merchandising** was established in 2018 by the Reilly Family and the Reilly Family Foundation in recognition of Beverly's esteemed professional modeling career with the purpose of providing field experience for fashion merchandising students through participation in the Department's travel programs.

**Dr. Manfred Reinecke Endowed Dean's Fund for Excellence** was established by Dr. Philip C. Bechtel in 2016 to benefit the College of Science and Engineering.

**Kay Lynn Curtis Reininger Endowed Fund for Professional Development in Special Education** was established in 2013 by Reid Reininger in memory of his wife, Kay. It enables the Alice Neeley Special Education Research and Service (ANSERS) Institute to support professional development activities for special education teachers in Fort Worth and the surrounding area.

**Ann L. Rhodes Artist-in-Residence Endowment Fund in the College of Fine Arts** was established in 1997 by Ann L. Rhodes of Fort Worth for an artist-in-residence in the Department of Theatre.

**Clyde and Mary Richards/Isbell Ritch Ranch Endowment** was established in 2019 by William Richards, to provide support for the Field Studies Program within TCU Ranch Management.

**Roach Foundation Colloquium Fund** was established by the Roach Foundation, Inc, and the Roach Family in 2019 to enable the John V. Roach Honor College to provide an Honors colloquium that exposes students to a well-balanced foundation for an exploration of economic theories and practices through a myriad of perspectives.

**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.

**John V. Roach Honors College Board of Visitors Undergraduate Research Fund** was established in 2014 by the John V. Roach Honors College Board of Visitors to underwrite costs for senior research projects.

**Dr. Tom Rogers, Jr. and Mrs. Joan Rogers Endowed Fund** in the College of Science & Engineering was established in 2019 by Joan and Tom Rogers, Jr. to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Rosemary and George Runnion Endowment Fund** was established in 2021 through the estates of George and Rosemary Runnion. It was the donors' desire that the university use their gift to create an endowed fund to benefit the Neeley School of Business at TCU.

**Ryan Family Endowed Fund for Sports Broadcasting** in the Bob Schieffer College of Communication was established in 2014 by the Ryan Family Foundation to elevate the capabilities and reputation of the TCU sports broadcasting major.

**Salmon International Student Teaching Endowed Fund** was established in 2015 by Dr. Martha Hackley Salmon '66 '71 and Dr. James A. Salmon to support students who travel to take part in the College of Education's International Student Teaching Program.

**The Ralph W. and Mary Lloyd Sanders Endowment for the TCU and UNTHSC School of Medicine** was established in 2020 through a planned gift from Ralph and Mary Sanders and provides support for the TCU and UNTHSC School of Medicine.

**Sandusky Globalization Fund for Journalism** was established in 2017 by Ms. Sue A. Sandusky to enable the Bob Schieffer College of Communication and its department of journalism to help students develop global awareness and competency.

**Scaled to Succeed Endowment** was established in 2021 through the generosity of the Devon and Kevin Martin Family. The fund enables TCU Athletics to provide annual operating dollars to support initiatives of the Scaled to Succeed program through a unique partnership between Student-Athlete Development and the Neeley's Institute for Entrepreneurship and Innovation.

**Dorothy and Clarence Scharbauer, Jr. Student Life Fund** was established in 1995 by Mr. and Mrs. Clarence Scharbauer, Jr. of Midland to enhance and expand student programs.

**Dr. Gregory B. Scheideman and Mrs. Sara S. Scheideman Endowed Fund** in the College of Science & Engineering was established in 2019 by Greg and Sara Scheideman to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Bob Schieffer College of Communication** is funded through an endowment that supports work to educate journalism and strategic communication students.

**Dean's Discretionary Fund for the Bob Schieffer College of Communication** was established by Mr. and Mrs. Bob Schieffer to foster the professional development and scholarly work of faculty in order to further distinguish students' educational experience.

**Schildt Family Endowed Dean's Fund for Excellence** was established in 2015 by Susan Schildt '83 and Tim Schildt '81 to support student research and special projects in the College of Science & Engineering.

**The Robert and Edith Schumacher Funds to Support Entrepreneurship and Innovation** were generously provided by the Schumachers to in 2009 to establish TCU as a leader in innovation and entrepreneurship, and in preparing students to lead in a shifting global economy. The executive faculty fellowship is held by Keith Hmieleski and the junior faculty fellowship is held by Ryan Krause.

**S. Allen Seline, Jr. Endowed Fund for the Library** was established through the generosity of the Seline Family Foundation and Mr. Seline's children and grandchildren to celebrate the 100th anniversary of Mr. Seline's birth on September 29, 2021. The fund enables the TCU Mary Coutts Burnett Library to enhance and support the library's greatest needs and opportunities.

**Bill Shaddock Entrepreneurship Fund** was provided by Bill and Kim Shaddock in 2011 to enable the Neeley Entrepreneurship Center to better assist students who attempt to launch or run a new business.

**Bill Shaddock Venture Capital Endowed Fund** was established in 2014 by Mr. William C. Shaddock to assist students who attempt to launch or run new businesses.

**Shoppa's Material Handling Fund** was established in 2020 through the generosity of Mr. and Mrs. James L. Shoppa and supports the activities of the Center for Supply Chain Innovation in the Neeley School of Business.

**Ora M. Shelton Endowment Fund** was established in 2012 by the estate of Ora M. Shelton.

**Maryrose Short Teaching Excellence Award** was established in 2013 by Daniel Short in memory of his wife, Maryrose. It supports an annual award that recognizes teaching excellence within the Department of Accounting.

**Marjorie and James Sly Student Entrepreneurs Experience Fund** was established in 2015 by Marjorie Sly '59 to support the Neeley Entrepreneurship Center and Entrepreneurship Club.

**Marjorie and James Sly Award for Values & Ventures®** was established in 2015 by Marjorie Sly '59 to support an award in the Richards Barrentine Values & Ventures® Business Plan Competition.

**Dr. Donny and Mrs. Jody Smith Endowed Fund** in Pre-Health Professions was established in 2017 by Donny and Jody Smith to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Emmet G. Smith Endowment Fund for Symposia** was established in 1999 through the generosity of friends and former students in honor of Emmet G. Smith to further the education of musicians and clergy in the realm of worship.

**Sue Wheeler Smith Memorial Fund for Visiting Organists** was established in 1979 by Emmet Smith, retired music faculty, and his family and friends in memory of his late wife.

**Hosmer B. Stuck Fund for Business Research** was established in memory of Mr. Stuck '41 by his widow in 1982 to finance research projects of faculty members in the M.J. Neeley School of Business.

**Scott & Joan Sullivan Award Endowment in the Arts** was established in 2020 through the generosity of friends and colleagues of in memory of Dean Sullivan and in honor of Joan Sullivan to fund an annual undergraduate award recognizing an upperclassman in the College of Fine Arts for outstanding work, creativity and overall excellence in their field of study.

**George and Sue Sumner Library Expansion Fund** was established in 1995 by Dr. and Mrs. George Sumner to support the expansion and renovation of the Mary Coutts Burnett Library and to offer continued support of the Library program.

**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.

**Gretchen Swanson Family Foundation Fund in Geology Research** was established in 2014 by the Gretchen Swanson Family Foundation to support broad and innovative geological research opportunities for faculty and students.

**Swenson Land and Cattle Company Field Studies Endowment** was established in 2013 by the Swenson Land and Cattle Company in honor of John Merrill to support field study operations in TCU Ranch Management.

**Tartaglino Richards Foundation New Ventures Endowed Fund for the Richards Barrentine Values & Ventures® Competition** was established by Nancy Tartaglino Richards in 2010 to create and support the Richards Barrentine Values and Ventures® Business Plan Competition.

**Gary Tate Graduate Student Fund** was established in 2020 through the generosity of Dr. Nancy Myers and enables the TCU English Department to support learning and professional development of graduate students through conference participation and research opportunities.

**Taylor Family Endowment for Fashion Merchandising** within the College of Fine Arts was established in 2017 by Leah C. Taylor, Thomas W. Taylor '79 and Mary Elizabeth Taylor '12 to enable the Department of Design and Department of Fashion Merchandising to advance and offer more access to specialized learning opportunities that best prepare and distinguish its fashion merchandising students.

**TBA Legacy Endowment** was established in 2019 by the Office of Religious & Spiritual Life in the Student Affairs Division to support program of the Disciples of Christ Ministry on TCU's campus.

**TCU Athletics Excellence Fund** was established in 2017 by Lois W. and James D. Kolkhorst to provide financial flexibility for the Director of Intercollegiate Athletics in the TCU Athletics Department, enabling the Director to allocate the needed discretionary funds for each head coach or facility.

**TCU Collegiate Recovery Endowment Fund** was established in 2019 by Debbie and Tim Agajanian in honor of Jake, Jordan, Charlie and Thomas Agajanian, to enable the TCU Collegiate Recovery Program to provide

support to TCU students in recovery or seeking recovery from addiction, enhancing their academic success.

**TCU Endowment for Equestrian Excellence** was established in 2015 by the David and Christy May family to support the TCU Equestrian Program.

**TCU Excellence in Interior Design Fund** was established in 2020 through the generosity of an anonymous donor and enables the Department of Interior Design to help interior design students with financial need cover expenses relating to their major.

**TCU Horned Frog Marching Band Endowment** was established in 2014 by Scot and Trisha Hillman Philipp to support travel expenses incurred by the Horned Frog Marching Band during away games.

**Texas Literary Hall of Fame Endowment** was provided in 2021 by the generosity of Friends of the Fort Worth Public Library to facilitate the continuation of the Texas Literary Hall of Fame and supports activities associated with the Texas Literary Hall of Fame.

**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.

**Thompson Family Lab School Research Endowment** in 2018 by Mr. and Mrs. Hugh W. Thompson III to provide TCU's Lab Schools with funding for original and innovative research in the field of special education so that it will have widespread impact and garner increased national recognition for the Lab Schools.

**TIP Board Excellence Fund** was established through the generosity of Lisa and David Miller in 2021 in the Neeley School of Business to provide support for the activities of the Transaction and Investment Professionals (TIP) Board.

**Dr. Nadene J. Tipton and Dr. Roger D. Tipton Endowed Fund** in the College of Science & Engineering was established in 2020 by Nadine and Roger Tipton to support the Dr. Phil Hartman Endowed Director's Fund for Excellence.

**Tomlinson Student-Athlete Development Fund** was established in 2019 from Texas Christian University's portion of the proceeds from the event, "A Night with LT at TCU", on May 16, 2019. This endowed fund provides financial flexibility for the TCU Athletics Director in the TCU Department of Intercollegiate Athletics in support of the Student-Athlete Development Program.

**Triathlon Endowed Fund** was established in 2020 through the generosity of Pamela and Edward Clark to provide operational support for the Women's Triathlon Program.

**Dominic Frank Tutera & Joseph Charles Tutera, Jr. Endowed Travel Fund for BNSF Neeley Leaders** was established in 2021 through the generosity of Joe and Marian Tutera to enable the BNSF Neeley Leadership Program in the Neeley School of Business to help support travel opportunities for BNSF Neeley Leaders.

**Hannah Tutera Endowed Travel Fund for the College of Fine Arts** was established in 2014 by Joe and Marian Tutera to support travel opportunities for students studying graphic design.

**Laura Tutera Endowed Travel Fund for Interior Design and Fashion Merchandising** was established in 2014 by Joe and Marian Tutera to support travel opportunities for students in the Department of Design and Department of Fashion Merchandising in the College of Fine Arts.

**University Art Galleries Endowed Fund** was established in 2009 by Janet Lewis Peden to provide funding to the Departments of Art and Art History in the College of Fine Arts to help support art galleries at TCU.

**van de Beek Family Endowed Fund** was established in 2013 by Garen and Sharlyn van de Beek to enable the Bob Schieffer College of Communication to elevate the capabilities and reputation of the Department of Strategic Communication.

**Robert Vigeland Accounting Excellence Fund** was established in 2015 by Pat Admire '65 and Sondra Admire '74, along with other accounting alumni, in honor of Dr. Robert Vigeland to support the Accounting Department in the Neeley School of Business.

**Vogel Family Endowed Experimental Learning Fund for Army ROTC** was established in 2019 by Lynn Ann and Paul Vogel to help support the TCU Army ROTC Program's participation in regional and/or national cadet activities.

**Nadia and Kevin Walgreen Family Endowed Fund for the College of Fine Arts** was established in 2014 by Mr. and Mrs. Kevin Walgreen and supports the needs of the studio art program.

**Walsh Foundation Sports Broadcasting Endowed Fund** was established by the Walsh Foundation in 2010. It enables the Department of Film, Television and Digital Media to better support its sports broadcasting program and give students more opportunities to gain quality work experience.

**Dr. Pat Walter Endowed Engineering Fund for Excellence** was established in 2017 by Mr. and Mrs. Hunter Enis to help provide flexibility for the Chair of the Department of Engineering in the College of Science & Engineering, allowing for direct and immediate action when unique opportunities arise.

**Ward Research Endowment for Nursing** was established in 2019 by an estate gift made by Ms. Judith Ward to support faculty and student research in the nursing department.

**Wassenich Award for Mentoring in the TCU Community** was established in 1998 by Mr. and Mrs. Mark Wassenich of Dallas.

**Weaver Endowed Excellence Fund in Accounting** was established in 2014 by Weaver and benefits the Neeley School of Business Accounting Department.

**Wilson F. Wetzler Endowment for Philosophy** was established in 1999 by a planned gift from Dr. Wilson F. Wetzler '37 to support the Philosophy Department.

**J. Vaughn and Evelyn H. Wilson Honors Fellowship** was established in 2006 through a bequest of Mr. James V. "Tony" Wilson Jr. '63. Mr. Wilson named the fellowship in honor of his parents. The fellowship is currently open.

**Women & Gender Studies 25-Year Fund** was established in 2020 through the generosity of friends of the Women & Gender Studies Department to support the department's greatest needs.

**Youth Advocacy and Educational Studies Endowment** was provided by the generosity of Grace Andrade and her family in 2021 to enable the TCU College of Education to provide stipends to Youth Advocacy and Educational Studies students for unpaid internships that provide real-world experience in youth advocacy.

**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, in 1997 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 Student Financial Aid unless stated otherwise.

**Abell-Hanger Foundation Nursing Scholarship**

**Abilene Ex-Students Chapter Scholarship**

**Sam and Marian Woody Acola Memorial Scholarship**

**Susan B. Adams Greek Leadership Scholarship**

**AddRan College of Liberal Arts English Heritage Fund**

**AddRan College of Liberal Arts Spanish Heritage Fund**

**AddRan Heritage Endowed Scholarship for Political Science**

**Patrick H. and Sondra K. Admire Accounting Scholarship Award**

**Micah Ahern TCU Baseball Scholarship**

**Glenn P. Albers Scholarship**

**DD & Rick Alexander Family Endowed Athletic Equestrian Scholarship**

**Tom and Bea Alexander Scholarship**

**Ernest Allen, Jr. Language Award**

**Jerry W. Allen Endowed Engineering Scholarship**

**Richard Allen Endowed Scholarship**

**Alumni Excellence in Economics Scholarship**

**Samuel Alvarez Memorial Scholarship**

**Ambition Scholarship Fund**

**Betty Jo and Frank T. Anderson Memorial Scholarship**  
**Harvey Anderson Scholarship in Music**  
**L. D. Anderson Memorial Ministerial Scholarship**  
**M. D. Anderson Foundation Nursing Scholarship**  
**M.D. Anderson Lloyd Armstrong '29 Memorial Scholarship**  
**Rebecca and Richard Anderson Family Scholarship**  
**Rose W. and Raymond E. Anderson Memorial Scholarship**  
**Thomas F. Anderson Performance Award in Percussion**  
**Andrews Institute Mathematics and Science Teacher Scholarship**  
**Andrews Institute of Mathematics and Science Education Scholarship**  
**The Andrews Institute of Mathematics and Science Education Endowed Scholarships**  
**Clarence and Loreen Angle Memorial Scholarship**  
**Anthony Family Endowed Scholarship**  
**Jane Bradford Armstrong & Liz Armstrong Scholarship**  
**Rose Mae Armstrong Scholarship**  
**John R. Arend '52 Endowed Football Scholarship**  
**Bonnie Lee Arnett Memorial Scholarship**  
**Michael T. Ashworth Athletic Scholarship**  
**Jim F. Atchison Church Vocation Scholarship**  
**Austin Commercial Endowed Scholarship**  
**Robert L. Avinger Fund for Athletic Scholarships**  
**Russell Alan Aycok Memorial Scholarship**  
**Amy Roach Bailey Special Scholarship**  
**Dr. Noel R. and Elaine D. Bailey Scholarship**  
**Dr. Noel R. and Elaine D. Bailey Scholarship at Starpoint School**  
**Dr. and Mrs. Noel Bailey Special Education Scholarship**  
**T. Ross Bailey Scholarship**  
**Robert R. Baillargeon, Jr. Family Endowed Scholarship**  
**Brooke Dewey Baird Memorial Scholarship**  
**Katherine Knight Baker Scholarship**  
**Robbie Baker and Colonial Kids for a Cause Endowed Scholarship**  
**Jesse Clyde and Thomas Wiley Ball Ministerial Scholarship**  
**Mr. and Mrs. W. E. Bancroft Disciples Scholarship**  
**Andrew Bankston Scholarship**  
**Antonio Banos and Rodney D'Souza Scholarship**  
**Thomas Barber Geology Award**  
**Jay and Linda Barlow Athletic Scholarship**  
**Josephine Harrold Barnes Trust**  
**Louis H. and Madlyn B. Barnett Fellowship**  
**Fred and Beverly Barron Endowed Scholarship**  
**Dr. Christopher B. Barry Graduate Memorial Scholarship**  
**Bartek Endowed Scholarship**  
**Edwin J. Barts Insurance Scholarship**  
**Coach 'Tut' Bartzen Endowed Scholarship**  
**Alan and Genelle Basye Scholarship**  
**Mrs. Tanya and Mr. Charles Bauer Heritage Scholarship for Political Science**  
**Raymond H. Bazemore Memorial Scholarship**  
**Hal and Nancy Bearden Scholarship**  
**Alann P. and Charles F. Bedford Endowed Internship Fund**  
**Theodore and Beulah Beasley Foundation Scholarship**  
**Amanda Jean Beaty Memorial Scholarship**  
**Amanda Michelle Bebout Memorial Scholarship in Nursing**  
**Lelia and Lee Beckelman Endowed Scholarship**

**Phillip T. Bee Scholarship for Ranch Management**  
**Dorothy Mays Bell Graduate Scholarship for Speech-Language Pathology**  
**Edward A. Bell Scholarship**  
**Happy Bell Scholarship**  
**Dana Bellenger Endowed Athletics Scholarship for Men's Golf**  
**Heather A. Bellomy Memorial Scholarship**  
**Ethel Evans Bennett Scholarship**  
**Benson Family Scholarship**  
**Dr. Arthur K. Berliner Scholarship**  
**Bermont Family Undergraduate Jewish Student Scholarship**  
**Michael K. Berry Endowed Scholars Program**  
**Elaine Bing and Stephen Bing Scholarship**  
**Alice and David C. Bintliff Nursing Scholarship**  
**Birch Family Scholarship**  
**Roy and Anna Biser Memorial Scholarship**  
**Black Alumni Alliance Scholarship**  
**Black Lives Matter Scholarship**  
**Blackmon Endowed Scholarship**  
**Dr. Donald Blake College of Science & Engineering Endowed Scholarship**  
**Mr. and Mrs. William M. Blanks Memorial Scholarship**  
**Cathy Collins Block Endowed Scholarship**  
**Bodino-Miller Family Scholarship**  
**Marjorie Weiner Bodzy Journalism Award**  
**Beatrice Bolen Piano Scholarship**  
**Bob Bolen Leadership Scholars Program**  
**Bolen Family Scholarship**  
**Bonds Ranch Scholarship for Ranch Management**  
**Keith D. Booke Scholarship**  
**Megan and Victor J. Boschini 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. Soloman Brachman Scholarship**  
**Nelson Louis Brackin Scholarship**  
**Tom and Bess Braniff Scholarship**  
**Buster Brannon Basketball Scholarship**  
**Miss Jimmie Katherine Bratton Memorial Nursing Scholarship**  
**Janelle Braun '82 Nursing Scholarship**  
**Breneman Family Foundation 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**  
**Dr. Bobby Brown Endowed Scholarship**  
**Elmer Brown Athletic Training Scholarship**  
**Leigh Ann Brown Memorial Scholarship**  
**Oscar K. Brown Family Scholarship**  
**Sandra Brown Excellence in Literary Fiction Award**

**L.F. "Curly" Broyles TCU Jazz Scholarship**  
**Walter E. Bryson Scholarship**  
**Ross Buford Memorial Scholarship**  
**Edmund W. and Elizabeth G. Burke Scholarship**  
**Burnett Ranches Scholarship in Ranch Management**  
**Burns Family Scholarship in Nursing**  
**Presnall "Grady" Cage Scholarship**  
**Cagle Scholarship Fund**  
**Phillip and Susan Cain Endowed Scholarship**  
**Paisley Caldwell Memorial Scholarship**  
**Jim Hillard Camp Scholarship**  
**Mary and Charles Campbell Scholarship**  
**Ross and Winnie Day Cannon Scholarship**  
**Curtis K. Canter Memorial Scholarship**  
**Lou Miller Canter Memorial Scholarship**  
**Robert S. Capper, M.D. Endowed Scholarship Fund**  
**J. Paul and Lori Carey Scholarship**  
**Robert L. and Sallie Carlock Scholarship**  
**Brion T. Carlson Scholarship**  
**Carpenter Family Endowed Scholarship**  
**Geneva Zulette Carson Scholarship**  
**Amon G. Carter Foundation Visionary Scholarship**  
**Dr. Ralph G. Carter Excellence in Political Science Scholarship**  
**Cartwright/Sells Scholarship**  
**Clemmie and James Cash Endowed Athletic Scholarship**  
**George and Thelma Cash Endowed Community Scholarship Fund**  
**Gertrude Fears Castleberry Scholarship**  
**Tom S. Cate, Jr. Memorial Scholarship**  
**Thornton Cecil Memorial Scholarship**  
**Cerkleski Family Endowed Scholarship**  
**Challenging Christian Youth Scholarship**  
**I.B. (Barney) Chapman, Sr. and Edyth A. Lacy Chapman Scholarship**  
**I. B. Chapman, Sr., Scholarship**  
**Shirley Gibson Chapman Scholarship**  
**W. Brown Chiles, Jr. and Wanda H. Williams Chiles Scholarship Endowment for Baseball**  
**W. Brown Chiles, Jr. and Wanda H. Williams Chiles Scholarship Endowment**  
**Chisholm Trail Round-Up Endowed Scholarship**  
**Christian Heritage Scholarship**  
**Floyd "Zeke" and Joan Gardner Chronister Scholarship**  
**Ted A. Chuman, DDS Memorial Scholarship**  
**Thomas Weldon Clardy Humanism in Medicine Award**  
**Clark Family Pre-Health Endowed Scholarship**  
**Clark Society Endowed Scholarship**  
**Addison Clark-Randolph Clark Ministerial Scholarship**  
**Jerry P. and Martha C. Clark Geology Scholarship**  
**Joseph Addison Clark Scholarship Fund**  
**Pamela and Edward Clark Endowed Football Scholarship**  
**Warren Clark Disciples Scholarship**  
**Class of 1933 Scholarship**  
**Class of 1967 Scholarship**  
**Harriet V. Clay Scholarship**  
**Betsy Clement Memorial Scholarship**  
**Jack and June Clements Scholarship**  
**E.D. Cleveland Scholarship**  
**Brenda and Chad Cline Endowed Scholarship**  
**Clouse Family Endowed Medical Scholarship**  
**Joe B. Cobb Memorial Scholarship**  
**Mary Magee Cobb and Julia Magee Hartley Scholarship**  
**Calloway and Jerry Bywaters Cochran Scholarship for Excellence in Modern Dance**  
**Dean O. Cochran, Jr. Endowed Neeley School of Business Intern Scholarship Fund**  
**Robert Glenn Coffin Music Scholarship**  
**College of Education Heritage Endowed Scholarship**  
**College of Science & Engineering Heritage Endowed Scholarship**  
**College of Science & Engineering Pre-Health Professions Institute Heritage Endowed Scholarship**  
**Bryant F. Collins Memorial Scholarship**  
**Bryant Miller Collins and Ruth Coquat Collins Endowed Scholarship Fund**  
**Colonial Kids for a Cause Endowed Scholarship for KinderFrogs School**  
**Colonial Kids for a Cause Endowed Scholarship for Starpoint School**  
**Betsy Feagan Colquitt Scholarship**  
**Landon A. Colquitt Scholarship**  
**Earl E. Combest Scholarship**  
**Comrades True Endowed Football Scholarship**  
**E. Constantin, Jr. Scholarship**  
**Mr. and Mrs. J. W. Conway Memorial Scholarship**  
**Charles & Lynette Coody Golf Scholarship**  
**Coon Family Foundation Scholarship**  
**Jerry Cooper Memorial Scholarship**  
**Gwendolyn M. Copeland Foreign Studies Scholarship in History**  
**Raymond H. and Stephen R. Copeland Scholarship**  
**Richard and Lillie Corley Endowed Scholarship**  
**Kimberly Kash Ray Corona Scholarship**  
**Corpus Christi Ex-Students Scholarship**  
**Costello Family Scholarship for the School of Music in Honor of Nelson Costello '16**  
**Arthur H. Courtade Memorial Scholarship**  
**Anita and Kelly Cox Endowed Scholarship in the School of Medicine**  
**Russell A. and Leila Park Cox Scholarship**  
**Cox Family College of Education Scholarship**  
**Willie Craft Memorial Scholarship**  
**Donald and Katherine Cram Scholarship**  
**Dr. Laura Lee Crane Scholarship**  
**Thomas and Marianne Crane Scholarship**  
**Bill Crawford Athletic Scholarship**  
**Dr. Bonnie Riley Creel and James A. Creel Scholarship**  
**J. Malcolm and Kati Mai Crim Scholarship**  
**Ann Cross Memorial Scholarship**  
**C. C. and Mildred Cross Scholarship**  
**John Medford Crowder Memorial Scholarship**  
**Kelly Kyle Cumpiano Endowed Scholarship**  
**Brittany Joy Cune Scholarship**  
**Curtis Family Scholarship**  
**DeRue Armstrong Curtis Memorial Scholarship**  
**Melvin O. Dacus and Kathryne P. Dacus Memorial Performance Award in Musical Theatre**  
**Ashlyn Dahlke Endowed Scholarship Fund**  
**Dallas Alumni Chapter Scholarship**

Dan Danciger Memorial Scholarship  
 Davidson Foundation Business Scholarship  
 C. J. "Red" Davidson Scholarship  
 James A. "Buddy" Davidson Scholarship Fund in Nursing  
 James A. "Buddy" Davidson Scholarship in Ranch Management  
 John Perryman Davidson II Scholarship  
 Bronson and Cathie Davis Endowed Scholarship  
 Lori Roach Davis Special Scholarship  
 Mr. and Mrs. William S. Davis Scholarship  
 George and Rachel Deahl Memorial Ministerial Scholarship  
 Roberta Smith Deason Scholarship  
 Del Conte Family Scholarship  
 DeLuca Family Scholarship  
 Delta Gamma Tau Diane Turner Memorial Scholarship Fund  
 Joe D. Denton Endowed Scholarship for TCU Football  
 Dickinson Middle Income Scholarship  
 Scott Dike Memorial Scholarship  
 The Kelly and Jeff Dillard Family Endowment  
 Robert Parker Dimmitt Memorial Scholarship  
 Distinguished Accounting Scholar Endowed Fellowship  
 Nancy Savage Doherty Scholarship  
 The Nowell and Jeanne Donovan Family Scholarship  
 Donovan Family Scholarship  
 Donovan-Knox Journalism Scholarship  
 James C. Dooley Memorial Scholarship  
 Sam Y. Dorfman Memorial Scholarship  
 Sylvia & Tommy Dorsey Family Scholarship  
 Heath Driver Family Women's Soccer Scholarship  
 Jeffrey B. Dudderar Memorial Scholarship  
 Dumas Family Scholarship  
 Susan & Scott Dunaway Football Scholarship  
 Minnie Cahill Dunn Scholarship  
 Beatrice Dunning Art and Art History Scholarship  
 C. H. Dyar Memorial Scholarship  
 F. W. and Bessie A. Dye Scholarship  
 Dyke Family Scholarship  
 R. W. and Helen Eades Scholarship  
 Roy and Jeannine Eaton Journalism Scholarship  
 Frank B. and Vera Turbeville Edelbrock Scholarship  
 Ambrose Edens Scholarship  
 Pepper and Ashley Edens Endowed Athletic Scholarship  
 Cass O. Edwards II Memorial Scholarship  
 Dr. Arthur J. Ehlmann Scholarship for Research Excellence  
 Stella D. Elakovich Endowed Scholarship  
 Charles G. Ellis Scholars of Environmental Science  
 Ellwood Foundation Pre-Medical Scholarship  
 Endowed Scholarship for Students from California  
 Engineering Advisory Board Endowed Engineering Scholarship  
 Mary Mitchell Engle Music Scholarship  
 Bonnie Enlow Scholarship  
 Dr. and Mrs. M. E. Ensminger Scholarship in Ranch Management  
 Equipment Managers Endowed Scholarship  
 William Shields Erwin Memorial Scholarship  
 Gregory Esch Scholarship  
 Richard Michael Etnyre Scholarship

Leslie P. Evans Memorial Scholarship  
 W. A. Eyre and C. Johnson Scholarship  
 Farmer Family Scholarship  
 Thomas Kinder Farris Scholarship  
 Mr. and Mrs. Johnnie P. Fears Scholarship  
 F.P. and Rachel Feltz, Sr. and F. P. Feltz, Jr. Family Scholarship in Ranch Management  
 Fine Arts Guild and Foundation Scholarship  
 First Christian Church of Post, Texas, Disciples Scholarship  
 First Christian Church of San Angelo Disciples Scholarship  
 First Christian Church of Sherman, Texas, Scholarship  
 First Responders' Endowed Athletic Scholarship  
 Bess Fish Athletic Scholarship  
 Bess Fish Scholarship for Humanities  
 Bess Fish Scholarship for Nursing  
 Truett W. and Queenelle Flache Scholarship  
 Claire Elizabeth Florsheim Scholarship  
 Sarah and Charlie Florsheim Endowed Scholarship in Business  
 Dr. Ronald B. and Mrs. Leah E. Flowers Endowed Scholarship  
 Charles T. and Mary L. Floyd Scholarship  
 Floyd Family Scholarship  
 Flynn Scholars Scholarship  
 Ross A. Forrest '12 Endowed Athletic Scholarship  
 Natalie Fort Endowed Internship Fund  
 Fort Worth Oral Surgery Pre-Dental Endowed Undergraduate Scholarship  
 Fort Worth Star Telegram/George Dolan Memorial Scholarship  
 Fort Worth Wildcatters Association Endowed Scholarship  
 Tom and Iva Foster Scholarship  
 Freemasons of Fort Worth Lodge 148 Scholarship  
 Elizabeth R. Freitag '14 Endowed Athletic Scholarship for Women's Soccer  
 Charlotte and Kirk French Scholarship for Business  
 Charlotte and Kirk French Scholarship for Social Work  
 Cornelia and Bayard Friedman Scholarship  
 Michael P. Friezo Family Scholarship in Economics  
 Frog Fam Athletic Scholarship  
 Frog Fam West Texas Endowed Scholarship  
 Bob and Alice Frye TCU Honors College Academic Scholarship  
 William M. Fuller Ranch Management Scholarship  
 Doris Funk Memorial Ranch Management Scholarship  
 Mr. and Mrs. H. B. Fuqua Scholarship  
 Future Frog Scholarship  
 Professor Newton Gaines Endowed Scholarship in Physics  
 Clayton T. Garrison Endowed Scholarship  
 Robert E. and Patty Gartman Scholarship  
 James S. and Shirley F. Garvey Endowed Scholarship Fund  
 Christine Salmon Gauthier Student Apprenticeship in English and/or Writing  
 E. K. Gaylord Memorial Scholarship  
 Vince & Clo Genovese Memorial Scholarship  
 David Gentry Memorial Ministerial Scholarship  
 Albert and Mamie George Scholarship  
 Thelma Stewart George Memorial Scholarship  
 Preston M. Geren, Jr. Endowed Scholarship  
 Barbara Chenault Gholson and Tom D. Gholson Scholarship

Nick Giachino Women's Golf Scholarship  
 Victoria Giachino Women's Equestrian Scholarship  
 Timothy Stephen Gideon Education Scholarship Fund  
 Catherine B. Gillespie Endowed Scholarship  
 John Gilliland Scholarship  
 Jeanette and Arthur I. Ginsburg Scholarship  
 Marcus and Martine Ginsburg Scholarship Dale Glasscock Football Scholarship  
 John '64 and Margie Gleaton Endowed Football Scholarship  
 Charles Goodnight Scholarship  
 Heather Hunt Graham and James R. Graham Endowed Scholarship  
 Greater Texas Foundation Math and Science Endowed Scholarship  
 Myrle and Marcella Greathouse Scholarship Fund  
 Ida M. Green Fellowship  
 Kay Hubbard Green Scholarship  
 Mr. and Mrs. W. H. Green Scholarship  
 Lollie S. Greene Scholarship  
 Greenville Christian Church Scholarship  
 Robert P., Jr. and Ann C. Gregory Scholarship  
 Wilson Griffith Family Scholarship  
 Robert S. Grimes, Sr. and Maud Fite Grimes Scholarship  
 Phyllis M. and John M. Grimland, Jr. Middle Income Scholarship  
 Hardy Grissom Memorial Scholarship  
 Robert W. Groom Scholarship  
 A. E. Grugett Memorial Scholarship  
 Ralph and Lavonne Guenther Endowed Scholarship for the School of Music  
 William L. Gupton Geology Award  
 Gurley Family Student Leader Scholarship  
 Brian and Angela Gutierrez Endowed Scholarship  
 Gutterson Family Endowed Ranch Management Scholarship  
 Lynn Swann Haag Memorial Scholarship  
 Mary Scriven and James William Haley Endowed Theatre Scholarship  
 Hall Family Pre-Med Scholarship  
 June E. Hall Scholarship  
 Hallberg Foundation Scholarship  
 Cora Bivins Halsell Scholarship  
 The Hamberlin Scholarship  
 Betty Hammack Memorial Scholarship  
 William J. Hammond Memorial Scholarship  
 Dr. Kari Hancock Endowed Scholarship  
 Gene Haney Memorial Scholarship  
 Dick Hanley Memorial Scholarship  
 Robert and Joyce Harden Memorial Scholarship  
 Howard Charles Harder Memorial Scholarship  
 Mr. and Mrs. Stephen H. Hargrove Endowed Scholarship  
 Craig Harper Scholarship  
 Roland L. Harper Memorial Golf Scholarship  
 Harris College Heritage Endowed Scholarship for Nursing  
 Harris College Scholarship for Nursing  
 The Brenda and Mike Harrison Endowed Scholarship Program  
 Granville Harrison Scholarship  
 Hoy and Helen Harrison Scholarship  
 Albert Ford Hausser Family Scholarship  
 Ashley Huffman Hawkins Scholarship in Women's Golf

John B. Hawley Memorial Scholarship  
 Sue Terrell Hawley Memorial Scholarship  
 Marlene and Spencer Hays Visionary Scholarship  
 Haywood Scholarship  
 Dick and Judy Hazlewood Loyalty Scholarship  
 William Randolph Hearst Endowed Scholarship  
 William Randolph Hearst Endowed Scholarship in Journalism  
 Michelle Tyler Heines Contemporary Dance Scholarship  
 Danny Waggoner Hemlay Academic Achievement Award  
 Madeleine Hemley Music Scholarship  
 Luther A. Henderson Scholarship  
 Hendrick Home for Children Scholarship  
 David B. Hendricks II Memorial Scholarship  
 Sanoa Hensley Accounting Scholarship  
 Harvey and Elizabeth Herd Scholarship  
 Heritage Endowed Scholarship for the TCU School of Medicine  
 Herlin Family Scholarship  
 Harold D. and Imogene Herndon Middle Income Scholarship  
 Molly Hesselbrock Scholarship  
 Willis G. Hewatt Scholarship  
 Hewatt-Rankin Pre-Med Scholarship  
 Marihelen and Larry D. Hickey Memorial Scholarship  
 Clay and Kristen Hicks First Nighters Scholarship  
 Hill Family Endowed Scholarship  
 F. E. Hill Company Ranch Scholarship  
 James C. Hill Scholarship  
 R. Hunter Hill Scholarship  
 Jim and Tammy Hille Endowed Scholarship in Education  
 TCU Hillel Scholarship  
 Michael "Hal" Hillman Endowed Scholarship  
 Kristi McLain Hoban Scholarship  
 Carol Hoefs Medical Scholarship  
 Carol and Richard Hoefs Nursing Scholarship  
 Charles R. Hoffman Scholarship in Jazz Studies  
 Ben Hogan Colonial Country Club Endowed Golf Scholarship  
 Holiday Greetings Fund  
 Melissa and Scot Hollmann Endowed Swimming Scholarship  
 Hooks Family Memorial Scholarship  
 Hop, Skip and Jump Endowed Scholarship Fund  
 Charles and Mildred Horan Voice Scholarship  
 Dr. and Mrs. Jeff L. Horn Scholarship  
 Horton KinderFrogs Endowed Scholarship Fund  
 Lucile Houston Endowed Scholarship  
 Houston TCU Women's Club Scholarship  
 Marshall Howard Endowed Scholarship  
 Foster Howell Scholarship  
 Josephine Terrell Hudson and Edward R. Hudson Scholarship  
 Rodney and Linda L. Huey Scholarship for Pre-Med Students  
 Mr. and Mrs. Charles C. Huff Memorial Ministerial Scholarship  
 Stephen B. and Lola Lollar Huff Scholarship  
 Huffman and Schilling National Merit Scholarship  
 Kenneth J. Huffman Endowed Scholarship in Nursing  
 Dan Allen and Peggy Hughes Endowed Energy Scholarship  
 John Luke Hughston Scholarship  
 Huitt-Zollars Endowed Engineering Scholarship

**Dr. Simeon H. and Virginia Enloe Hulsey Scholarship**  
**Robert D. and Marjorie E. Hunsucker Scholarship**  
**A. R. and Anna Hunt Ministerial Scholarship**  
**Charlsie Hogue Huntsberry Scholarship**  
**Hurley Family Endowed Athletic Scholarship**  
**Hurley Family Scholarship**  
**Corey and Tammy Hutchison Family Endowed Medical School Scholarship**  
**Corey and Tammy Hutchison Family Scholarship**  
**Interfraternity and Panhellenic Council's Endowed Scholarship Fund for KinderFrogs**  
**Keith Irwin Memorial Ranch Management Scholarship**  
**Dana Louise Ivancevich Memorial Scholarship**  
**Amy Miears Jackson Scholarship**  
**Don Jackson Endowed Scholarship**  
**J. I. and Nelda Jackson Scholarship**  
**Jamieson Scholarship**  
**Elizabeth Ann Nye Janzen Endowed Scholarship Fund**  
**Jarvie Family Geoscience Scholarship**  
**Jarvis-Love Bible Class Missionary Scholarship**  
**Dan Jenkins Sportswriting Scholarship**  
**Christine and Robert W. Johnson Family Scholarship**  
**Elizabeth Halliday Johnson Scholarship**  
**Mona Outlaw Johnson Scholarship**  
**Cecil Johnston Scholarship**  
**Herbert J. Jones Scholarship**  
**Jesse H. Jones and Mary Gibbs Jones Scholarship**  
**Mary Ruth Jones Endowed Scholarship**  
**Max K. and Suzanne Jones Leadership Scholarship**  
**Shelley and Christopher Jones Athletic Scholarship**  
**Joullian-Story Family Endowed Scholarship for Fashion Merchandising**  
**Millard B. Jumper III Memorial Scholarship**  
**Melinda Mann Justice Memorial Scholarship**  
**Jane & John Justin Foundation Visionary Scholarship**  
**Kamradt Family Scholarship for the Schieffer College of Communication in Honor of Maggie K. Kamradt and Libby A. Kamradt**  
**Rhonda Keen and George Payne Charter Class Scholarship**  
**Keenan Family Endowed Scholarship**  
**Joe and Sadie Keevil Disciples Scholarship**  
**Noel L. Keith Memorial Scholarship**  
**Lionel and Gaynelle Kelley Endowed Football Scholarship**  
**Dee J. Kelly Scholarship**  
**Mr. and Mrs. Wilbur M. Kidd Scholarship**  
**William P. and Elva Killingsworth Scholarship**  
**Marie Louise and David Kinder Scholarship**  
**KinderFrogs Endowed Scholarship Program**  
**KinderFrogs Teacher Parent Association Endowed Scholarship**  
**Carl B. and Florence E. King Foundation Scholarship**  
**Gladyse and Clyde Andrews and Peggy Andrews King Scholarship**  
**Sally and Jeff King Endowed Scholarship at Starpoint School**  
**The Teresa and Luther King Family Endowed Scholarship Fund**  
**Ruby Stoker Kirkpatrick Disciples Scholarship**  
**Willard M. Kirkpatrick Memorial Disciples Scholarship**  
**Ashlee and Christopher Kleinert Endowed MBA Scholarship**  
**Lili Kraus Piano Scholarship**  
**John and Nancy Kritser Endowed Scholarship in Business**  
**John and Nancy Kritser Endowed Scholarship in Nursing**  
**Deborah J. Kuhlmann Scholarship Fund**  
**Margaret Cook Kunz and Fannie Broiles Cook Endowed Scholarship**  
**George W. Lacy, M.D., Memorial Scholarship**  
**Herbert and Mamie LaGrone Teacher Education Student Leadership Scholarship**  
**LaHood Family Scholarship**  
**Janeen and Bill Lamkin Scholarship**  
**Landers Machine Company of Fort Worth Scholarship**  
**Bill and Gail Landreth Endowed Scholarship**  
**Sam H. Lane III Memorial Scholarship in Business**  
**Jane Langdon Music Scholarship**  
**John W. Large Memorial Scholarship**  
**Florina Adele Lasker Scholarship**  
**Mr. F. Lee Lawrence Family Scholarship**  
**Kenneth T. Lawrence Scholarship**  
**W. Dewey Lawrence Scholarship**  
**Lawrence's Endowed History Scholarship**  
**Leap Frog for KinderFrogs Endowed Scholarship**  
**Rebecca Carol Lee Scholarship**  
**Sherri Parker Lee Math and Science Scholarship**  
**Sherri Parker Lee Women's Athletic Scholarship**  
**Lennox Foundation Scholarship**  
**George F. and Mary L. Leone Scholarship**  
**Mary C. Lessor Memorial Scholarship in Ranch Management**  
**Suzanne S. and Kevin G. Levy Scholarship**  
**John Lewis Legacy of Courage Scholarship – Endowed by the Chick-fil-A Peach Bowl**  
**Preston Lewis Endowed Scholarship**  
**L'Heureux Family Athletic Scholarship**  
**Lou Ann Lesley Ligon Endowed Scholarship**  
**John and Moreene Lillard Scholarship**  
**Bob Lilly Scholarship**  
**Linbeck Endowed Scholarship Fund**  
**Lucy Harris Linn Nursing Scholarship**  
**Chester P. and Faye Reeder Long Memorial Scholarship**  
**Louden Family Scholarship Fund**  
**Ann Loudon Student Crisis Fund**  
**Alva C. and Louise R. Love Scholarship**  
**Blair G. Loving Scholarship**  
**Mary Sypert Clark Lovejoy Scholarship**  
**Margaret Jean Lowdon Endowed Fund**  
**Elizabeth Glasscock Dennison '45 and the Pauline "Poddy" Jones Lucas '47 Memorial Scholarship**  
**Lucas Family Scholarship**  
**T.J. Brown & C.A. Lupton Foundation Visionary Scholarship**  
**Lyddon Family Endowed Scholarship**  
**Mack Scholarship**  
**Blake and Ana Magee Family Scholarship in honor of Blair Magee '12 and Morgan Magee '13**  
**Homer L. and Juliet Jane Magee Scholarship**  
**Mary Elizabeth Magness Scholarship**  
**Mindy Lynn Maher Memorial Scholarship**  
**Mabel I. Major Memorial Scholarship**  
**Mabel I. Major and Rebecca W. Smith Lee Scholarship**



Barbara Gardner Manly Scholarship  
 E. Claude Manning Scholarship  
 Marathon Oil Company Scholarship  
 Kiersten M. Marshall Scholarship  
 Martin/Baird Family Scholarship  
 Janford S. Mason Memorial Scholarship  
 Christy and David May/Lone Star Equestrian Scholarship  
 Jon David Mayfield Ranch Management Scholarship  
 Mayfield Farms and Ranch Endowed Scholarship  
 Sean McAlpine Memorial Scholarship  
 Ada and "Mac" McArron Middle Income Scholarship  
 Staley and Beverly McBrayer Endowed Scholarship  
 T. Smith McCorkle Memorial Scholarship  
 McDonald Sanders, P.C., Endowed Scholarship  
 Ann Marie and Robert Neal McDonald Scholarship  
 J.W. and Etta McDonald Endowed Scholarship  
 Ella C. McFadden Scholarship  
 Ethel Verda McFarland Music Scholarship  
 Will McFarland Athletic Scholarship  
 McGalliard Family Scholarship  
 Warren McKeever Memorial Scholarship  
 Moses B. McKnight Memorial Scholarship  
 Juanita Freemon McLean Memorial Scholarship  
 Dr. Malcolm D. McLean Scholarship  
 Bruce McMillan, junior, Memorial Nursing Scholarship  
 McMillan-Shank Memorial Scholarship  
 Barbara Gordon McNeill '63 Endowed Scholarship in Nursing  
 Barbara Gordon McNeill '63 Graduate Endowed Scholarship in Nursing  
 Angela G. and Forrest W. Meacham '63 Scholarship  
 Mead Family Baseball Endowed Scholarship  
 Mead Family Equestrian Endowed Scholarship  
 R. M. and Atwood Means Scholarship  
 Medallion Foundation Endowed Scholarship for Middle Income Students from the Greater Houston Area  
 Jean and Frank Medanich Scholarship  
 Jack W. and Maurine Melcher Scholarship  
 Melchizedek Fund  
 Amos W. Melton Memorial Scholarship  
 Nancy C. Melton Scholarship  
 Andrea Mennen Family Endowed Fellowship for the ANSERS Institute  
 Merck Animal Health Scholarship  
 Merlin Jenkins Memorial Scholarship  
 John and Virginia Merrill Scholarship  
 Mrs. Leslie P. Merritt Memorial Scholarship  
 L. R. "Dutch" Meyer Scholarship  
 Robert H. and Alice A. "Toni" Midkiff '59 and Family Endowed Scholarship  
 Miller Brewing Company Scholarship  
 Dave T. Miller Endowed Scholarship Fund  
 Maude Young Miller Memorial Scholarship  
 W. C. "Jack" Miller Memorial Scholarship  
 James Millett Scholarship in Ranch Management  
 Michael Boyd Milligan Scholarship  
 Sean Michael Milligan Scholarship for Disabled Students  
 Donald B. Mills Scholarship  
 Dr. Charles D. Minnis Scholarship  
 Hart Energy – George Mitchell Endowed Scholarship in Energy Management  
 Robert W. and Frances L. Mitchell Scholarship  
 John Robert Moffett Memorial Scholarship  
 Lewis W. Mondy Scholarship  
 L.A.J. and Betty Monroe Endowed Basketball Scholarship  
 Montesi Family Endowed Scholarship  
 Lucile Trent & Wm. S. Montgomery Scholarship Fund  
 Mooney Family Scholarship  
 Sheri Mooney Memorial Recognition Fund  
 Ferdinand and Mary Herd Moore Ministerial Scholarship  
 Ronald E. Moore Tenor Scholarship  
 Wayne and JoAnn Moore Internship Scholarship  
 Wayne and JoAnn Moore '38 Memorial Scholarship  
 Scott and Mary Mooring Scholarship Fund in Honor of Philip Cole Mooring  
 Robert Maxey Moorman Memorial Scholarship  
 Robert and Alma Moreton Scholarship  
 Halford J. Morlan Scholarship  
 Brooks Morris Violin Scholarship  
 Charles "Lefty" and Judy A. Morris Scholarship  
 Irene Rae Morris Scholarship  
 Morris-Wolf Athletic Scholarship  
 Morris-Wolf Disciples Scholarship  
 Myrtie Ashley and John Thomas Morrison Scholarship  
 Mosebrook/Pfizer Student Leader Award  
 Ruth Elizabeth Morgan Moss Memorial Scholarship  
 Amy and Todd Mueller Family Scholarship  
 Chaz Mueller Family Scholarship  
 Millard E. "Pete" Mulry Scholarship  
 Wayne Murphey Memorial Scholarship  
 In Memory of James L. Murray Endowed Scholarship Fund  
 Osie B. Leifeste Musick Scholarship  
 Mr. and Mrs. Jack D. Mussett Disciples Scholarship  
 Judge John C. Myrick Ministerial Scholarship  
 Yumi Nakamura Memorial Scholarship  
 Bruce Neal Scholarship  
 Dr. Valerie Neal Merit Scholarship  
 Neeley Baseball Scholarship  
 Neeley Heritage Endowed Scholarship  
 Neeley Heritage Endowed Scholarship Fund  
 Neeley EMBA Heritage Endowed Scholarship  
 Alice and M. J. Neeley Special Education Scholarship  
 Anna Martin Neely Endowed Scholarship  
 Marian Neeley Nettles and Kathleen Neeley Scholarship Fund for Starpoint School  
 Paige E. Nettles Family Scholarship  
 Newby Family Scholarship  
 Forrest A. Newlin Theatre Scholarship  
 Colonel Ben M. D. Newsom and Geraldine Starr Newsom Scholarship  
 Douglas Ann Newsom Endowed Scholarship  
 A. C. Nicholson Scholarship  
 Nikolai Family Knowledge is Good Scholarship

**Nancy Nix EMBA Endowed Scholarship Fund**  
**Nordan Fine Arts Scholarship**  
**North Side High School Endowed Scholarship**  
**North Texas Steel Company Scholarship**  
**Notermann Family Endowed Scholarship**  
**Tommy Norwood Memorial Scholarship**  
**Alice Taylor Nowlin Scholarship**  
**Kim and Richard Nunley Family Endowed Scholarship**  
**Oaklawn Foundation Scholarship**  
**T. Reed Oatman Scholarship**  
**Wayland and Carolyn Oatman Scholarship**  
**Wayland Oatman Memorial Scholarship in Ranch Management**  
**J. W. and Minnie O'Bannion Scholarship**  
**David O'Brien Memorial Scholarship**  
**Robert and Shannon O'Brien Endowed Family Scholarship**  
**Ogrod Family Scholarship in Nursing**  
**Oklahoma Alumni Ranch Management Scholarship**  
**Elise Joy Otto Memorial Endowed Scholarship for KinderFrogs**  
**M. C. Overton Scholarship**  
**Samantha Yost Pace Scholarship in Nursing**  
**Dorothy Archer Parker, BSN '67, MSN Scholarship for Nursing**  
**Payton A. Parker Endowed Scholarship**  
**Ron and Paula Parker Endowed Scholarship**  
**Sebert L. Pate Scholarship for Harris College of Nursing**  
**Sebert L. Pate Graduate Student Scholarship in Nursing**  
**William Collier and Bernice Hodge Pate Scholarship**  
**Patterson Endowed Undergraduate Geology Fund**  
**Dr. Henry J. Patterson Endowed Scholarship**  
**Jay W. and Bessie Paxton Nursing Scholarship**  
**Clay B. Peebles Scholarship**  
**Doris Smith Penrose Memorial Scholarship**  
**Perkinson Scholarship**  
**Adrienne Miller Perner Memorial Scholarship**  
**Steve and Kendal Perryman Football Scholarship**  
**Robert E. Peterson Memorial Scholarship**  
**Petroleum Accountants Society of Fort Worth Scholarship**  
**Charles and Bertie Sanders Pettit Scholarship**  
**Peyton Ranches Endowed Scholarship in Ranch Management**  
**Roger Pfaffenberger Endowed Scholarship**  
**Megan Elizabeth Philipp Scholarship**  
**Scot, Trisha and Megan Philipp Athletic Scholarship**  
**Scot, Trisha and Megan Philipp Equestrian Scholarship**  
**Shirley Davanay Phillips Scholarship in Music Education**  
**Ty Pickens Memorial Scholarship**  
**Steve Pieringer Memorial Scholarship**  
**Vera Stephenson Pilcher Scholarship**  
**John and Kathy Pinkerton Endowed Scholarship**  
**The Summer Pipes Endowment**  
**L. A. Pires York Rite Masonic Scholarship**  
**Gerald and Carol Pitts Scholarship**  
**Hugh Pitts Memorial Scholarship Fund**  
**Meredith Anne Pogson Scholarship**  
**James W. Porter Scholarship**  
**Sandra Scott Porter Scholarship**  
**Rose Ella McCollum Porterfield and Austin L. Porterfield Scholarship**

**Linda Carol Possenti Memorial Scholarship**  
**Leo Potishman Tennis Scholarship**  
**Clayton L. and Jewel Carr Potter Memorial Endowed Scholarship**  
**Marguerite Potter Memorial Scholarship**  
**Pauline Polk Potts Memorial Scholarship**  
**Lay and Mattie Powell Scholarship**  
**William Elmo Powell Memorial Scholarship**  
**William W. Powell Scholarship**  
**Powers Family Scholarship**  
**Pre-Health Heritage Endowed Scholarship**  
**Diana and Wes Prescott Scholarship**  
**David Preston Memorial Scholarship**  
**Coma Lee and Margaret Q. Pribble Scholarship**  
**Carole C. Price Educational Scholarship**  
**Maurice Price, Jr. '62 Scholarship**  
**Sue Beall and J. Maurice Price, Sr. Scholarship**  
**Prichard Family Foundation Endowed Scholarship**  
**Allisen and Kevin Prigel Endowed Scholarship**  
**Ben H. Procter Scholarship**  
**Elizabeth Youngblood Proffer Scholarship**  
**Mrs. Opal Weatherly Purvines Scholarship**  
**Dr. C.A. Quarles Physics and Astronomy Undergraduate Scholarship**  
**Don W. Rader, Jr. Memorial Scholarship**  
**Rupert and Lillian Radford Scholarship**  
**Kenneth R. Raessler Scholarship**  
**Catherine Haizlip Ragsdale Scholarship**  
**Ann Webb Rambusch Nursing Scholarship**  
**Roger A. Ramsey Middle Income Scholarship**  
**Ranch Management Alumni Scholarship**  
**Ranch Management Partners Scholarship**  
**Cowley Rank Nursing Leadership Scholarship**  
**Polly Curry Rankin Nursing Scholarship**  
**The Colonel W.F. "Tex" Rankin 1940 TCU Golf Team Captain Scholarship**  
**Mr. and Mrs. George A. Ratliff Scholarship**  
**Ratliff-Bedford Memorial Scholarship**  
**Mr. and Mrs. George A. Ray Ministerial Scholarship**  
**Jerry Ray Scholarship**  
**Rayle Family Scholarship**  
**Reckling Family Scholarship**  
**Phil Record Endowed Scholarship**  
**Mr. and Mrs. D. A. "Pete" Redding Scholarship**  
**Cecil D. Redford Memorial Scholarship**  
**Redman Foundation Graduate Education Scholarship**  
**Dave C. Reed Scholarship**  
**Hiram Reed Endowed Scholarship**  
**Mabel Clark Reed Scholarship**  
**Mabel Clark Reed Disciples Scholarship**  
**Norman M. and Maureen Reed Scholarship**  
**T. Michael Reed Memorial Scholarship**  
**Jan and Trevor Rees-Jones Visionary Scholarship**  
**Beverly Yates Reilly/Reilly Family Foundation Endowed Scholarship in Fashion Merchandising**  
**Dr. Manfred Reinecke Pre-Health Scholarship**  
**Gary and Lisa Reiter Endowed Athletic Scholarship**  
**H. Roy and Vaulta Reynolds Scholarship**

Dr. Sherrie Reynolds Endowed Graduate Scholarship  
 Thelma Robinson Reynolds Scholarship  
 Robert Rhodes Endowed MBA Scholarship  
 Robert T. Rhodes Memorial Scholarship  
 Claud H. Richards Scholarship  
 Cindy Frazier Richardson Memorial Scholarship in Nursing  
 Jean W. Roach Special Scholarship  
 Jean Wiggin Roach Scholarship  
 John V. Roach Honors College Heritage Endowed Scholarship  
 John V. Roach Scholarship  
 John V. Roach Special Scholarship  
 Phil Roach Scholarship  
 Dr. and Mrs. A. W. Roark and Mary Elizabeth Roark Scholarship  
 Amber Marie Roberts FTDM Scholarship  
 Lillian Lesbia Word Roberts Memorial Scholarship Fund  
 Marian K. and Gary Dale Roberts Scholarship Fund  
 Christine and Salvador Rodriguez Family Scholarship  
 Joan Rogers Scholarship  
 Robert M. Rogers Memorial Scholarship  
 Drs. Rose, Walter and Weis Endowed Scholarship in Engineering  
 Sybil Rose Endowed Scholarship  
 Mr. and Mrs. Oscar S. Rosenberg Scholarship  
 Arch H. Rowan Memorial Scholarship for Business  
 Stella S. Rowan Nursing Scholarship  
 Matt & Evelyn Rudd Scholarship  
 Rutherford Family Scholarship  
 Ryan Foundation Scholarship  
 Frances Sadler Scholarship  
 M. E. Sadler Scholarship  
 Victor A. (Beaude) Sahn III and Kristy Echols Sahn Endowed Scholarship  
 Martha Hackley Salmon College of Education Teacher Scholar Apprenticeship  
 John and Pam Samford Endowed Baseball Scholarship  
 John and Pam Samford Endowed Scholarship Fund  
 David Baldwin Sanders Endowed Scholarship  
 Robert Marne Sanford Scholarship  
 Santa Gertrudis Scholarship  
 Sartwell Family Scholarship  
 Patricia D. Scarse Scholarship  
 Scharbauer Roundup Scholarship Fund  
 Clarence and Kerry Scharbauer Scholarship  
 Kurt Alan Schember Memorial Scholarship  
 Bob Schieffer College of Communication Heritage Scholarship  
 Bob Schieffer College of Communication Journalism Heritage Scholarship  
 Gladys Payne Schieffer Scholarship  
 Schieffer School Davidson Leadership Scholarships  
 Schieffer School of Journalism Award  
 George T. Schmaling Memorial Scholarship  
 Benjamin W. Schmidt Memorial Scholarship Fund  
 Margaret L. Schmoker Endowed Scholarship  
 Melissa and Doug Schnitzer Family Endowed Scholarship  
 School for Classical & Contemporary Dance Heritage Endowed Scholarship  
 School for Classical & Contemporary Dance Heritage Scholarship for Contemporary Dance  
 School of Medicine Endowed Scholarship for Physician Leaders  
 V. C. and Elisabeth Schorlemmer Disciples Scholarship  
 Jake M. Schrum Scholarship  
 R. J. Schumacher Accounting Scholarship  
 John F. Schwarz Engineering Scholarship  
 Science and Engineering Endowed Scholarship  
 Gayle and Mary Beth Scott Scholarship  
 Scott-Rankin Geology Scholarship  
 Ann Kimbriel Secrest Scholarship  
 Neil Sealy Memorial Scholarship  
 Georgianna D. & Aubrey J. Sexton Endowed Scholarship  
 Peter and Phyllis Shaddock Scholarship  
 James A. "Jack" Shaddy and Velma F. Shaddy Endowment Fund  
 Louis H. Shaffman Scholarship  
 Ora M. Shelton Endowment Fund  
 Hilton John Shepherd Scholarship  
 Mr. and Mrs. Charles R. Sherer Scholarship  
 Lorraine Sherley, Frederick Henderson Sherley and Quincy Coffman Sherley Scholarship  
 Wayne H. and Janet Largent Sherley Scholarship  
 Selma and Scott Sherman Outstanding Football Player Scholarship  
 Shipp Family Scholarship  
 William Everett and Eloise Norman Shipp Endowment for the Harris College of Nursing  
 Harry B. and Mabelle Short Scholarship  
 Sigma Theta Tau Nursing Scholarship  
 Craig B. Silverthorne Ranch Management Scholarship  
 Robert M. Singleton Memorial Scholarship  
 Mary Skipper Scholarship  
 Raymond and Judy Smilor Entrepreneurial Leadership Fund  
 Smith Family Endowed Scholarship  
 Alice T. Smith Scholarship  
 Ford and Shawn Smith Family Scholarship  
 Emily Guthrie Smith Scholarship  
 James E. "Doc" and Mary B. Smith Scholarship  
 Jussen and Currie Smith Endowed Ranch Management Scholarship  
 Lucy Smith Scholarship  
 Margaret K. Smith Memorial Scholarship  
 Paul F. and Dorothy T. Smith Endowed Scholarship  
 Rebecca W. Smith Scholarship  
 Wilma Miller Smith and Clarence B. Smith Scholarship  
 Florence Ware Snively Scholarship  
 Judith Solomon Award in Vocal Accompanying  
 Judith Solomon Piano Award in Chamber Music  
 Johann Pieter Sommers Endowed Scholarship for KinderFrogs School  
 Southwestern Company Scholarship  
 Southwestern Exposition and Livestock Show Scholarship  
 Ellis M. Sowell Scholarship  
 Sparrow Scholarship  
 Marvolene Bowe Speed Scholarship  
 Modena Rogers Clark Spitler Piano Scholarship  
 Modena Rogers Clark Spitler Violin Scholarship  
 Willett R. Stallworth Endowed Scholarship  
 Alma W. O'Gorman Staples Nursing Scholarship  
 William and Rita Starkey Endowed Scholarship in Football

- A. Tremon Starr Scholarship**  
**Helen Martha Steen Honorary Scholarship**  
**Walt Steimel Dance Alumni Scholarship**  
**Karen Stephens Memorial Scholarship**  
**Mr. and Mrs. Hamlett Stivers Memorial Scholarship**  
**Bill and Ann B. Stokes Scholarship Fund**  
**Strake Family Scholarship**  
**Strickling Family Endowed Scholarship**  
**E. P. Stuermer Family Scholarship for Disciples Students**  
**Blake Knowlden Sturman Scholarship**  
**Lynell Burgess Suggs Memorial Scholarship**  
**Pat and Jean Sullivan Endowed Scholarship Fund**  
**George C. and Sue W. Sumner Scholarship**  
**Marilyn DeMoss Sumner and Tom Sumner Endowed Fellowship in Educational Leadership**  
**Thomas G. and Marilyn D. Sumner Endowed Scholarship**  
**Hatton Sumners Foundation Washington Internship Scholarship**  
**Gretchen Swanson Family Foundation Scholarship**  
**Mr. and Mrs. R. C. Sweeney Memorial Scholarship**  
**Coach Richard Sybesma Endowed Scholarship Fund**  
**Dr. George Tade Scholarship**  
**Wilma Jean and George T. Tade Scholarship for Communication Sciences and Disorders**  
**Dr. Robert and Kathryn Talbert Memorial Scholarship**  
**Tandy Corporation Educational Scholarship**  
**Charles T. Tandy Scholarship**  
**Tartaglino Richards Family Foundation Medical School Scholarship**  
**Priscilla W. Tate Scholarship**  
**Rebekah Anne Tauber Memorial Scholarship**  
**F. Nick Taylor Scholarship Fund**  
**TCU Energy Institute Heritage Endowed Scholarship**  
**TCU Panhellenic Scholarship**  
**TCU Permian Basin Alumni Scholarship**  
**TCU/Raymond Gafford Memorial Golf Scholarship**  
**Teaford Family Endowed Athletic Scholarship**  
**Sheila and Robert Templeton Endowed Scholarship**  
**Robin Thayer Athletic Memorial Scholarship**  
**Jim and Maida Thokey Disciples Scholarship**  
**Anna Belle P. Thomas International Students Music Scholarship**  
**Dwight and Catherine Thompson Endowed Scholarship in Business**  
**Dwight and Catherine Thompson Endowed Scholarship in Engineering**  
**Meredith Fraker Thompson Memorial Scholarship in Finance**  
**Ray F. Thompson Endowed Scholarship**  
**Wray and Sally Thompson Golf Scholarship**  
**Carol Thornton Scholarship**  
**Carolyn Lawson Thorp Endowed Scholarship**  
**Jeanette Tillett Scholarship**  
**Martha Maples Timmerman Music Scholarship**  
**Charles W. Tindall/Tandy Corporation Graduate Scholarship in Business**  
**DeVonna Tinney Endowed Nursing Scholarship**  
**Carol McDonald Tomaszczuk Memorial Scholarship**  
**T. E. Tomlinson Memorial Ministerial Scholarship**  
**Wendall and Percine Towery Memorial Scholarship**  
**Greg Trevino Memorial Scholarship**
- Jim Trinkle Scholarship**  
**Dr. Elliott Trotter Endowed Scholarship**  
**Harriet Tubman-Texas American Bank Minority Scholarship**  
**Ethel G. Tucker Memorial Scholarship**  
**Jean Jones Tucker Endowed Scholarship**  
**William E. Tucker Scholarship Fund**  
**Glen and Elizabeth Turbeville Scholarship**  
**Nancy B. Chambers Underwood Scholarship**  
**James L. Utle Memorial Scholarship**  
**The Ruby R. Vale Foundation in Honor of Bettyann Leonard Endowed Scholarship**  
**Katharine V. Thompson and Peter Van Amburgh Endowed Scholarship**  
**Warren and Lulu Veale Memorial Scholarship**  
**Don J. and Ruth D. Ver Duin Memorial Scholarship**  
**April M. Vieweg Memorial Nursing Scholarship**  
**April M. Vieweg Memorial Scholarship**  
**Mary Poteet Wagley Disciples Scholarship**  
**Lissa and Cyril Wagner, Jr. Scholarship**  
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**Howard A. Walbridge Engineering Scholarship**  
**W. Earl and Louise Waldrop Scholarship**  
**James A. and Susie V. Walker Scholarship**  
**Myrtle E. and Earl E. Walker Graduate Fellowship in Nursing Leadership**  
**Jewell and Anna B. Wallace Scholarship**  
**Mr. and Mrs. Clay Waller Ministerial Scholarship**  
**Charles G. Walls Scholarship**  
**George S. Walls, Sr. Scholarship**  
**F. Howard and Mary D. Walsh Graduate Piano Scholarship**  
**F. Howard Walsh, Jr. Middle Income Scholarship**  
**Mr. and Mrs. F. Howard Walsh Scholarship**  
**Renee and F. Howard Walsh, Jr., Ballet Scholarship**  
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**Sandy Ware Scholarship**  
**Sue and Logan Ware Scholarship**  
**Bea Warren and Jamie Butler Memorial Nursing Scholarship**  
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**Louise V. Wiggins Scholarship**

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**Bill Wilkinson Endowed Scholarship for KinderFrogs School**

**Arthur Willey Fund Scholarship**

**Dorothy and Arthur Willey Scholarship**

**Jay D. Williams Scholarship**

# Directory Information

## Administration

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 LaDainian T. Tomlinson, Westlake  
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 Deedie Potter Rose, Dallas  
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 Secretary - Jean M. Pickett  
 Treasurer - Dr. William J. "Bill" Nunez

**Chancellor's Cabinet**

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 Teresa Abi-Nader Dahlberg, B.S., M.S., Ph.D.—Provost and Vice Chancellor for Academic Affairs  
 Jonathan Benjamin-Alvarado, B.A., M.A., Ph.D.—Senior Advisor to the Chancellor and Chief Inclusion Officer  
 Kathy Cavins-Tull, B.A., M.S., Ph.D.—Vice Chancellor for Student Affairs  
 Yohna Chambers, B.S., M.P.P.A.—Vice Chancellor and Chief Human Resources Officer  
 Tracy Syler-Jones, B.A., E.M.B.A.—Vice Chancellor for Marketing and Communication  
 William J. "Bill" Nunez, B.B.A, M.A., M.B.A., Ph.D.—Vice Chancellor for Finance and Administration  
 Jason R. Safran, B.B.A, M.B.A., C.F.A.—Chief Investment Officer  
 Donald J. Whelan, Jr., B.S., EMIB—Vice Chancellor for University Advancement  
 Susan Mace Weeks, B.S., M.S., D.N.P.— Vice Provost for Academic Affairs  
 Bryan C. Lucas, B.B.A., M.B.A.—Chief Technology Officer  
 Jeremiah B. Donati, B.A., J.D.—Director of Intercollegiate Athletics  
 Larry Leroy "Lee" Tyner Jr., B.A., J.D. – General Counsel  
 Whitnee Boyd, B.S., B.A., M.A., Ed.D. – Coordinator of Special Projects  
 Lauren E. Nixon, B.S., B.A., M.Ed. —Coordinator of Chancellor's Programs and Executive Initiatives  
 Jean M. Pickett, B.A., M.A.—Chief of Staff  
 Andrea M. Nordmann, B.S., B.A., M.B.A.—Chief University Compliance Officer

**Academic Administrators**

Teresa Abi-Nader Dahlberg, Ph.D. — Provost and Vice Chancellor for Academic Affairs  
 Susan Mace Weeks, D.N.P. — Vice Provost  
 Frank Hernandez, Ph.D.—Dean of the College of Education  
 M.Francynce Huckaby, Ph.D.—Associate Provost of Faculty Affairs  
 Michael Kruger, Ph.D.—Dean of the College of Science and Engineering  
 Christopher Watts, Ph.D.—Dean of Harris College of Nursing and Health Sciences  
 Floyd L. Wormley, Jr., Ph.D.— Associate Provost for Research & Dean of Graduate Studies  
 Michael Scott, M.B.A., Associate Provost for Enrollment Management  
 Tracy Hull, M.S.—Dean of the Mary Coats Burnett Library  
 Sonja Watson, Ph.D.—Dean of AddRan College of Liberal Arts  
 Megan Soyer, C.P.A.—Associate Provost for Academic Planning, Budgeting and Operations  
 Hettie Richardson, Ph.D.—Interim Dean of the Neeley School of Business  
 Kristie Bunton, Ph.D.—Dean of the Bob Schieffer College of Communication  
 Amy Hardison Tully, D.M.A.—Teresa Ann Carter King Dean of the College of Fine Arts  
 Ronald Pitcock, Ph.D.—Dean of the John V. Roach Honors College  
 Stuart Flynn, Ph.D.—Dean of the TCU and UNTHSC School of Medicine  
 Reginald A. Wilburn, Ph.D.—Associate Provost of Undergraduate Affairs

**Affirmative Action Directory**

Yohna J. Chambers, B.S., M.P.P.A.—AA Officer

**Institutional Effectiveness**

David E. Allen, Ph.D.—Executive Director

Brianna Edwards, M.Ed.—Assistant Director

**Athletics**

**Administration**

Jeremiah Donati, J.D.—Director of Intercollegiate Athletics  
 Mike Sinquefield, B.G.S.—Deputy Athletics Director for Internal Affairs  
 Gretchen Bouton, B.S., M.S.—Sr. Associate Athletics Director of Student Services  
 Kenneth Janak—Sr. Associate Athletics Director/Athletics Financial Officer  
 Kimberly N. Johnson, B.S., M.A., M.S.—Sr. Associate Athletics Director/Senior Woman Administrator  
 Monica Ray-Goth—Executive Assistant to the Athletics Director  
 Yesi Madrigal—Administrative Assistant

**Academics**

Shawn Worthen, B.B.A., M.Ed.—Associate Athletics Director of Academic Services  
 Dr. Clifford Harrell—Assistant Athletics Director of Academic Services  
 Dr. Ashlesha Lokhande—Academic Advisor  
 Dr. Kevin Mendez—Academic Advisor  
 Amy Adams—Learning Specialist  
 Robin Smits—Learning Specialist  
 Megan Klavitter —Graduate Assistant  
 Kelli Thomas—Graduate Assistant  
 Sarah Liles—Learning Specialist  
 Jennifer Latson—Administrative Assistant  
 Maria Willars—Office Assistant

**Broadcasting**

Brian Estridge—Director of Broadcasting

**Business Office**

Kenneth Janak—Sr. Associate Athletics Director/Officer  
 Bennett Askew—Associate Athletics Director/Business and Finance  
 Jeanette Bradley— Business Manager  
 Taylor Patterson—Graduate Assistant

**Communications**

Mark Cohen, B.A.—Associate Athletics Director for Communications  
 Steven Schoon, B.S.—Director of Athletics Communications  
 Dameon Myres, B.S.—Assistant Director of Athletics Communications  
 Brandie Davidson, B.S., M.A.—Assistant Director of Athletics Communications  
 Anthony Brandt, B.J.—Assistant Director of Athletics Communications  
 Danielle Pluchinsky—Graduate Assistant

**Compliance**

Erin Brown—Assistant Athletics Director for Compliance  
 Morgan Jacob—Director of Compliance  
 Taryn Beverly—Compliance Coordinator  
 Megan Munce—Compliance Coordinator

**Facilities**

Sassan Sahba—Associate Athletics Director for Facilities and Game Day Management  
 Annie Gallick—Game Day Operations Coordinator  
 Winn Walker—Game Day Operations Coordinator  
 Blake Reynolds—Facilities Operations Coordinator  
 Brandon Sturgeon—Graduate Assistant  
 Christopher Fritz—Graduate Assistant

**Frog Club**

Michael Levy—Associate Vice Chancellor and Associate Athletics Director - Development and Frog Club  
 Cam Fenton—Assistant Athletics Director of Development- Annual Giving  
 Ian Sadler—Assistant Athletics Director for Development - Major Gifts

Ashley Beebe—Associate Director - Major Gifts  
 Graciela Todd—Director of Frog Club Donor Experience  
 Mary Hannah Johnson—Communications Coordinator  
 Julie Phipps—Coordinator—Frog Club Services  
 Elizabeth Donnelly—Graduate Assistant  
 Jordan Susce—Graduate Assistant

### **Block T Association**

John Denton—Associate Athletics Director—Alumni Relations/Executive Director of the Block T Association  
 Reggie Jennings—Assistant Director of Block T Association

### **Horned Frogs Hospitality**

Amy Blount—Director  
 Allison Paxson—Assistant Director

### **Marketing**

Julie Austin, B.A., M.Ed.—Associate Athletics Director for Marketing and Licensing  
 Rory Rutledge, B.A., M.A.—Director of Athletics Marketing  
 Brooke Robinson—Assistant Director of Marketing  
 Blake Morris—Assistant Director of Marketing  
 Deanna Cardillo—Director of Branding and Licensing  
 Rhett Davis—Marketing Graphic Designer  
 Jane Barker—Graduate Assistant

### **Digital Brand Strategy**

Clayton Regian—Director of Athletics Video Production  
 Luke Kohli—Assistant Director of Athletics Video Production  
 Katie Sheets—Assistant Director of Athletics Video Production  
 Sam Straker—Graduate Assistant

### **Equipment Room**

Justin Shaw—Director of Equipment Services  
 Victor Ignatiev, B.A., M.A.—Associate Director  
 Brad Andrews—Assistant Director  
 Jason Jones—Director of Football Equipment  
 Brady Archer—Graduate Assistant

### **Spirit**

Lindsay Shoulders, B.A.—Spirit Director/Showgirls Coach  
 Elizabeth Peterson—Cheer Coach  
 Emma Beavers—Assistant Cheer Coach  
 Esther Pae—Assistant Showgirls Coach  
 Jason Lesikar—Rangers Coordinator

### **Sports Medicine**

David Gable, B.S., M.S.—Associate Athletics Director for Sports Medicine (Football)  
 Matt Herrill—Associate Director of Sports Medicine (Men's Basketball, Men's Golf)  
 Miranda Jensen—Athletic Trainer (Indoor and Beach Volleyball)  
 Maxx Akel—Athletic Trainer (Football, Men's Tennis, Women's Tennis)  
 Ryan Rodems—Athletic Trainer (Football)  
 Kyle Nyce—Athletic Trainer (Football)  
 Bronson Sagon—Athletic Trainer (Track and Field, Cross Country)  
 Emma Hoffman—Athletic Trainer (Soccer, Rifle)  
 Neal Stepp—Athletic Trainer (Swimming and Diving)  
 Danny Wheat, B.S.—Athletic Trainer (Baseball)  
 Kearston McGinnis—Graduate Assistant  
 Raegan Ledbetter—Graduate Assistant  
 Erin Simmerman—Graduate Assistant  
 Claudette Cole—Insurance Coordinator

### **Sports Nutrition**

Brooke Helms—Assistant Athletics Director for Sports Nutrition  
 Jessica Hylander—Assistant Director- Sports Nutrition  
 Hollin Ford—Fueling Station Manager

Victoria Ip—Graduate Assistant  
 Victoria Dahan—Graduate Assistant

### **Strength and Conditioning**

Zachariah Dechant, B.S.—Assistant Athletics Director for Sports Performance  
 Kaz Kazadi – Assistant Athletics Director for Football Human Performance  
 Ryan Jackson – Associate Director of Human Performance / Sports Nutrition  
 Tyrell Brown – Assistant Director of Human Performance  
 Kyle Bolton – Assistant Director of Human Performance  
 Charles "Rev" Simmons III – Assistant Director of Human Performance  
 Taylor Larson— Associate Head Strength and Conditioning Coach  
 Andrew Mitchell—Associate Head Strength and Conditioning Coach  
 Todd Kensler, B.S.—Sr. Assistant Strength and Conditioning Coach  
 Michael Wood—Sr. Assistant Strength and Conditioning Coach  
 Dave Underwood – Graduate Assistant  
 Logan Uyetake—Graduate Assistant

### **Student - Athlete Experience and Brand Management/Name Image and Likeness (NIL)**

Ray Walls—Associate Athletics Director - Student Athlete Experience and Brand Management / Name Image and Likeness (NIL)  
 La'Ron Haywood—Graduate Assistant  
 David Swillum—Graduate Assistant

### **Tennis Center**

Craig Smith—Director of Bayard H. Friedman Tennis/Tennis Professional  
 Elaine Martinez—Administrative Assistant  
 Jaron Householder—Horticultural Assistant

### **Ticket Office**

Sean Conner, B.S. —Associate Athletics Director for Ticket Operations  
 Dan Riester—Director of Ticket Operations  
 Rachel Herriff—Assistant Ticket Manager  
 Nicholas Siwek—Graduate Assistant

### **IMG Learfield TCU Ticketing Solutions**

Alex Butier—General Manager  
 Kellen Blanchett—Development Specialist  
 Jacob Cates—Account Executive  
 Dillon Westrich—Account Executive  
 Eric Koenemann—Data Analyst

### **Horned Frogs Sports Properties**

Jay Fields, B.A., J.D.—Assistant Vice President/General Manager of Horned Frog Sports Properties  
 Joseph Swanner—Senior Manager - Business Development  
 Conner Ash—Manager - Business Development  
 Kayla Kurland—Manager - Business Development  
 Nathan Garcia—Manager - Business Development  
 Benjamin Skow—Social Content Specialist  
 Sara Rossman—Partnership Services Coordinator

### **Baseball**

Kirk Saarloos, B.A.—Head Coach  
 Bil Mosiellio, B.A.—Associate Head Coach  
 John DiLaura—Assistant Coach  
 Meredith Montgomery—Assistant Athletics Director - Baseball Administration  
 Kevin Knight—Director of Player Personnel  
 Cooper Sholder—Director of Operations  
 Matt Purke—Student Assistant  
 Kyle Winkler—Volunteer Assistant



**Basketball (Men's)**

Jamie Dixon—Head Coach  
 Tony Benford—Associate Head Coach  
 Duane Broussard—Assistant Coach  
 Jamie McNeilly—Assistant Coach  
 Thomas Montigel—Assistant Athletics Director - Basketball Operations  
 Corey Santee—Director of Player Development  
 Billie Webster—Graduate Assistant  
 Luke Webb—Graduate Assistant  
 Kendra Coleman—Coordinator of Office Services

**Basketball (Women's)**

Raegan Pebley, B.S.—Head Coach  
 Brittany Brown—Assistant Coach  
 Rodney Hill—Assistant Coach  
 Leah Foster—Player Development Coordinator  
 Angela Gonzaga, B.S., M.A.—Assistant Athletics Director - Basketball Operations  
 Adeola Akomolafe—Graduate Assistant  
 Kianna Ray—Graduate Assistant  
 Jodi Clifton—Coordinator of Office Services

**Equestrian**

Haley Schoolfield—Director of Equestrian  
 Melissa Dukes—Head Western Coach  
 Logan Fiorentino—Head Hunt Seat Coach  
 Bridgette Fischer—Graduate Assistant  
 Paola Cervantes—Administrative Assistant

**Football**

Sonny Dykes – Head Coach  
 Garrett Riley – Offensive Coordinator/Quarterbacks  
 Joe Gillespie – Defensive Coordinator / Linebackers  
 Andrew “AJ” Ricker – Co-Offensive Coordinator / Offensive Line  
 Mark Tommerdahl – Special Teams Coordinator  
 Anthony Jones, Jr. – Running Backs Coach  
 Malcolm Kelly – Outside Receivers Coach  
 Doug Meacham – Inside Receivers Coach  
 JaMarkus McFarland – Defensive Line Coach  
 Carlton Buckels – Cornerbacks Coach  
 Paul Gonzales – Safeties Coach  
 Anthony Crespino – Associate Athletics Director for Football Operations  
 Bryan Carrington – Offensive Analyst – Recruiting Coordinator  
 Matt Lewis – Assistant Athletics Director for Player Development  
 Jeff Jordan – Assistant Athletics Director for Player Personnel  
 Tyler Olker – Director of Player Personnel  
 Joe Grilz – Director of NFL and Scouting Relations  
 Eron Hodges – Director of Recruiting / Defensive Analyst  
 Mitch Kirsch – Offensive Analyst  
 Mookie Carlile – Defensive Analyst  
 Josh Creech – Defensive Analyst  
 Jacob Oehrlein – Graduate Assistant / Offense  
 Matthew Oubre – Graduate Assistant / Offense  
 Peyton Searcy – Graduate Assistant Defense  
 Bonner Borderlon – Special Teams Analyst  
 Sarah Woodruff – Director of Football Operations  
 Callie Conway – Associate Director of Football and Recruiting Operations  
 Allie Ueckert – Director of On-Campus Recruiting  
 Tyler Bullard – Director of Football Video  
 Brian Martin – Director of Football Video Operations

Jason Andrews – Director of Football Creative Video  
 Maddie Anderson – Director of Football Graphic Design  
 Emily Devers – Graduate Assistant / Coaches Video  
 Gisele Kates – Coordinator of Office Services  
 Andrea Roberts – Coordinator of Office Services

**Golf (Men's)**

Bill Montigel, B.A., M.S.—Head Coach  
 Adrien Mork—Assistant Coach  
 Travis Woolf—Volunteer Coach  
 Laura Weisbrod—Administrative Assistant

**Golf (Women's)**

Angie Ravaioli-Larkin, B.A.—Head Coach  
 Andrea Kaelin—Associate Head Coach  
 Laura Weisbrod—Administrative Assistant

**Rifle**

Karen Monez, A.A.—Head Coach  
 Hannah Black—Assistant Coach

**Soccer (Women's)**

Eric Bell, B.A.—Head Coach  
 Ryan Higginbotham, B.S.—Assistant Coach  
 Tom Serratore—Assistant Coach

Ana Auger-Crossman—Director of Operations  
 Paola Cervantes—Administrative Assistant

**Swimming (Men's and Women's)**

James Winchester—Head Coach  
 Anthony Crowder—Head Diving Coach  
 Scott Goodrich—Associate Head Coach  
 Alice McCall—Assistant Coach  
 Carolyn Meir—Assistant Coach  
 Kaitlyn Beaver—Graduate Assistant/Assistant Diving Coach  
 Laura Weisbrod—Administrative Assistant

**Tennis (Men's)**

David Roditi, B.A.—Head Coach  
 Devin Bowen, B.A.—Assistant Coach  
 Jonathan Pham—Director of Operations  
 Elaine Martinez—Administrative Assistant

**Tennis (Women's)**

Lee Walker Taylor, M.S.—Head Coach  
 Christopher Williams—Assistant Coach  
 Jonathan Pham—Director of Operations  
 Elaine Martinez—Administrative Assistant

**Track and Field, Cross Country (Men's and Women's)**

Darryl Anderson, B.S., M.S.—Head Coach (Sprints)  
 Lisa Morgan-Richman—Head Coach - Cross Country  
 John Kenneson, B.S., M.Ed.—Associate Head Coach (Throws)  
 Marissa Chew—Assistant Coach (Multis and Sprints)  
 Shawn Jackson—Assistant Coach (Jumps)  
 Scotty Miller—Assistant Coach (Multis and Pole Vault)  
 Paola Cervantes—Administrative Assistant

**Volleyball (Women's)**

Jason Williams—Head Coach  
 Kyle Luongo—Assistant Coach  
 Morgan Thomas—Assistant Head Coach  
 Lauren Rao—Director of Operations  
 Laura Weisbrod—Administrative Assistant

**Beach Volleyball (Women's)**

Hector Gutierrez—Head Coach

Majo Orellana—Assistant Coach

Kaylie McHugh—Graduate Assistant

Laura Weisbrod—Administrative Assistant

**Academic Advising****Helpline:** academic\_advising@tcu.edu

Angela Thompson, B.A., M.A., Ed.D.—Executive Director

Blake Henson, B.M., M.M., D.M.A.—Assistant Director

Jess Price, B.S., MLA—Director of Technology Systems, Academic Advising

Franchesca Scott, B.S.—Academic Adviser

Alicia Smith, B.A.—Academic Adviser

Melanie Navarro, B.A., MSSW—Academic Adviser

Sarah Hogue, B.S., M.A., PhD Academic Adviser

**Office of the Chancellor and President**

Victor J. Boschini, Jr., B.A., M.A., Ed.D.—Chancellor &amp; Professor of Education

Daniel W. Pullin, B.B.A, M.B.A, J.D. – President &amp; Professor

Jean Pickett, B.A., M.A.—Chief of Staff

Janine M. Cox, B.A., M.S. —Deputy Chief of Staff

Maleta G. Hill, B.S., M.S.—Director of Office Operations

Charlotte Hudspeth—Executive Assistant

Bridget A. Ledesma, B.S.— Executive Assistant to the Chancellor

Leigh Ann Martin – Executive Assistant to the President

Sheri Miller, B.S., M.B.A., —Chancellor's Associate for Strategic Partnerships

Lauren E. Nixon, B.S., B.A., M.Ed., Ed.D. —Director of Programs and Executive Initiatives

Andrea M. Nordmann, B.S., B.A., M.B.A.—Chief University Compliance Officer

Alondra Olguin, B.B.A.—Office Operations Manager

Emily Slifkin, B.S., J.D. — Higher Education Law Fellow Shannon Schultz, B.A., B.F.A.—Minor House and Events Coordinator

Sharon Gooding, B.A., M.A., J.D.—Director, Office of Institutional Equity

Aisha Torrey-Sawyer, B.A., M.Ed.—Director of Diversity and Inclusion Initiatives

Florencio U. Aranda III, B.A., M.A., M.S., M.L.S., Ed.D—Ast. Director of Diversity and Inclusion Initiatives

Terika "Teri" Green, B.S., M.A.— OIE Investigator

Leigh P. Holland, B.S., M.A.—OIE Investigator

Andrea McDew, B.S., M.A., Ed.D. —Title IX Coordinator

Cheryl Taylor, B.A., M.S., Ph.D.—Civil Rights and Title IX Case Manager

**Extended Education**

Julia Lovett, B.S., M.Ed.—Interim Director

Lindsey Cadenhead—Coordinator, Professional Education Programs

**Finance and Administration**

William J. Nunez, B.B.A., M.A., MBA, Ph.D.—Vice Chancellor for Finance and Administration

Kim Adams —Assistant Vice Chancellor for Internal Audit

Terry Haney—Executive Assistant

Carla Sublett —Oil and Gas Financial Analyst

**Budget Office, Contracts Administration, and Financial Planning**

Veronica Rios, Senior Assistant Vice Chancellor for Finance

Sarah Davis, Coordinator Office Services

Jane Diseker, Contracts Assistant

Juanette McCollum, Contracts Assistant

Candice Payne—Assistant Vice Chancellor for Finance

Rebeca Richmond, Budget Director

Shafiq Said, Senior Budget Analyst

Henry Sanchez, Business Systems Analyst

Dedra Shores, Senior Budget Analyst

Matthew Wallis, Director, Contracts Administration

**Office of the Chief Investment Officer**

Jason R. Safran, B.B.A., MBA., CFA—Chief Investment Officer

Demi M. Fritz—Senior Investment Analyst

Angela H. Kenny—Operations Analyst

Lauren Farelly Searway—Senior Investment Analyst

**Financial Services**

Cheryl Kennon—Associate Vice Chancellor and Controller

Leslie Bast—Financial Assistant, Accounts Payable

Kathy Brandon—Financial Assistant, Accounts Payable

Teresa Brooks—Accounts Payable Clerk

Teri Galupi—Senior Financial Assistant

Pam James—Financial Assistant

Sheri Kline—Senior Financial Assistant

Chris Lawler—Director Endowment Accounting &amp; Gift Reporting

Lana Maples—Senior Financial Assistant

Cindy Mulkey, M.B.A., C.P.A.—Tax Director

Erin Pierson, —Financial Assistant

Denise Phillips—Senior Financial Assistant

Ali Rattan, Director—Accounts Payable

Caron Patton, B.B.A., C.P.A.—Director of Financial Operations

Evie Richardson—Director, Treasury and Finance

Lindsey Tullos-Rios—Accounts Payable Clerk

Cori Smit—Director, Student Financial Services and Accounts Receivables

Alexis Trejo—Accounts Payable Clerk

Keia Wilson—Director Financial Reporting

Jamaine Walker—Senior Accountant

Abby Wood—Assistant Director, Financial Operations

**Human Resources**

Yohna J. Chambers, B.S., M.P.P.A.—Vice Chancellor and Chief Human Resources Officer

Katie Anderson, B.A.—Compensation Analyst

Rachelle Blackwell, B.A., M.P.A., Ed.D.—Associate Vice Chancellor

Jeff Cargile, B.S.—HR Director, Burnett School of Medicine

Perla De La Fuente, B.B.A.—HR Recruiting Specialist

Jenny Dick, B.B.A.—HR Technology Manager

Lara Ellison, B.S.—Compensation Manager

Joanne Fralia—Executive Assistant

Rosa Gomez—Payroll Analyst

Martha Gonzalez, B.A.—Senior Benefits Consultant

Candice Guiner, B.S.—Senior HR Recruiter, Burnett School of Medicine

Pam Hartwell, B.B.A.—Talent Acquisition Manager

Ellen Irwin, B.S. —HR Recruiting Specialist

Terrence Kirk, B.B.A., M.B.A.—Compensation Analyst

Regina Lewis, B.S., M.L.A.—Events and Communications Coordinator

Mariam MacGregor, B.A., M.S.—Assistant Vice Chancellor, Employee Engagement and Success

Michelle Martinez, A.A.—Payroll Coordinator

Shellie Mathis, B.S.—Payroll Manager

Matthew Millns, B.A., M.B.A., Ed.D.—Assistant Director, Benefits

Susie Olmos-Soto, B.A., M.Ed.—Senior Learning and Development Consultant

Cameron Potter, B.S., M.A., Ph.D.—Manager, Employee Success

Jesse Perez, B.A.—Benefits Consultant

Ebony Rose, B.A., M.A.—Senior Learning Development Consultant

Michael Sanders, B.S., M.B.A., M.S.—Senior HRIS Consultant

Robin Scruton, B.A.—Benefits Consultant-Retirement

Kristen Taylor, B.S., M.B.A.—Manager, Employee Success

Megan Voorhies B.A., M.B.A.— Director, Employee Success

Michelle Whiteley B.B.A.—Director, Benefits

## Information Technology Directory

### Information Technology

Bryan Lucas, B.B.A., M.B.A.—Chief Technology Officer

Walter Wallace, B.S., M.B.A.—Associate Director, Operations

Leslie Sanders—Operations Analyst

Terrie Harbour—Purchasing Specialist

### Computer Systems

Craig Carlson—Director, Computer Systems

Ann Bailey—Manager, Systems Labs

Michael Banks—Systems Administrator

Kyle Bryan—Systems Administrator

Russ Davis—Server Security Administrator

Jon Eidson—Sr. Database Administrator

Sean Gillaspay—Administrator, Systems Labs

Jim Gribble—Administrator, Systems Labs

Thomas Guidry—Systems Administrator

David Jewett—Systems Administrator

Josiah Miller—Systems Administrator

Stephen Meyers—Systems Administrator

Tommy Riley—Database Administrator

Shelley Shuga—Ast Director Computer Systems

### Customer Services

Joshua Tooley—Associate Director, Customer Services

Rob Allen—Ast Director IT Customer Support

Stephen Bates—Customer Service Consultant

Cathleen Dawson-Jackson—Sr. Customer Services Consultant

Ken Do—Customer Services Consultant

Rebecca Glass—Sr. Customer Services Consultant

Henry Johnson—Coordinator IT Frontline Operations

Larry Love—Customer Service Consultant

Samuel Ogutu—Customer Services Consultant

Matt Coffey—Ast Director Athletic Technology

Charles Dewar—IT Coordinator, Harris

Andrew Hamer—IT Coordinator, Music

Trey Ivy—Ast Director Medical School Technology

Paul Lopez—IT Coordinator, Student Affairs

Jonathan McNair—IT Coordinator, Student Affairs

Kyle Stagner—IT Coordinator, Student Affairs

### Enterprise Application Services

Joshua Harmon—Director, EAS

Pamela Andrews—Applications Developer

Jesse Borries—Applications Developer

Ben Crenshaw—Applications Developer

Mason Makarawich—Applications Developer

Cindy McCray—Applications Developer

Michael Perales—Applications Developer

Stephen Ratliff—Applications Developer

Michael Selman—Applications Developer

Joel Smith—Applications Developer

Shawn Spangler—Applications Developer

Steve Taylor—Applications Developer

Huy Tran—Applications Developer

Asa Tuten—Applications Developer

Yolanda Winston—Applications Developer

### Hardware

Joseph Lopez—Computer Hardware Supervisor

Austin Alexander—Computer Hardware Technician

Garrett Counts—Computer Hardware Technician

Barish Madanoglu—Computer Hardware Technician

Patrick Reimer—Computer Hardware Technician

### Information Security Services

Aaron Munoz—Chief Information Security Officer

Austin Counts—Server Security Administrator

David Kinch—Information Security Administrator

Russ Davis—Information Security Administrator

Alex Espinoza—Information Security Administrator

### Classroom Technology

Clifton Overton—Manager, Instructional Technology

Dwayne Adams—Instructional Classroom Technician

Justin Beck—Instructional Classroom Technician

Daniel Faubion—Instructional Classroom Technician

Scott Gilbert—Instructional Classroom Technician

MacDonald, Douglas—Instructional Classroom Technician

### Media Production

John Van Pelt—Graphic Media Design Coordinator

### Network Infrastructure Services

Tony Fleming—Director, Network Infrastructure

### Networking

Warner Kimbrell—Assistant Director, Networking

Craig Baugh—Network Engineer

Paul Bibbins—Network Engineer

John Saxton—Network Engineer

Eric Wersal—Network Engineer

### Construction Management

Patti Sellers—Associate Director, Construction Management

Glenda Boche—Coordinator, IT Construction

### Infrastructure Services

Jason Miller—Assistant Director, Infrastructure

Ryan Norris—Infrastructure Technician

Arturo Barrios—Infrastructure Technician

### Printing and Copying Services

Bob Goode—Manager, Printing Services

Brandi Carroll—Digital Copy Operator

Howard Horne—Pre-Press Specialist

Tim Ybarra—Offset Press Operator

Amber Hollingsworth—Customer Service Rep Copy Shop

### Telecommunications

Travis Cook—Executive Director, Telecommunications

### Technical Services

Travis Cook—Deputy Chief Technology Officer

**Network Services**

Tony Fleming, B.S.—Associate Director, Network Services  
 Craig Baugh—Network Engineer  
 Paul Bibbins—Network Engineer  
 Warner Kimbrell—Network Engineer  
 John Saxton—Network Engineer  
 Eric Wersal, B.B.A. – Network Engineer

**Infrastructure Services**

Patti Sellers— Associate Director, Infrastructure Services  
 Glenda Boche, B.S.—Network Projects

**Printing and Copying Services**

Bob Goode—Manager, Printing Services  
 Brandi Carroll—Digital Copy Operator  
 Howard Horne—Pre-Press Specialist  
 Tim Ybarra, H.S.—Printing Cert Offset Press Operator

**Hardware and Purchasing**

Joseph Lopez, B.S.—Computer Hardware Supervisor  
 Terrie Harbour—Purchasing Specialist

**Information Security Services**

David Kinch, B.A.—Information Security Engineer

**Enterprise Application Services**

Joshua Harmon, B.A.—Director, EAS  
 Ben Crenshaw, B.S.—Applications Developer  
 Cindy McCray, B.F.A, M.L.A.—Applications Developer  
 Michael Perales, B.B.A.—Applications Developer  
 Michael Selman, B.B.A, M.B.A.—Applications Developer  
 Joel Smith, B.A., M.B.A., J.D.—Applications Developer  
 Shawn Spangler, B.S.—Applications Developer  
 Steve Taylor, B.S.—Applications Developer  
 Huy Tran, B.A.—Applications Developer  
 Yolanda Winston, B.B.A., M.L.A.—Applications Developer

**Computer Systems**

Craig Carlson, B.B.A.—Associate Director, Computer Systems  
 Ann Bailey, B.B.A, M.L.A.—Manager of Systems Labs  
 Jon Eidson, B.S., M.B.A.—Sr. Database Administrator  
 Sean Gillaspay, B.S.—Administrator, Systems Labs  
 Jim Gribble, B.S.—Administrator, Systems Labs  
 Thomas Guidry, B.B.A.—Systems Administrator  
 David Jewett—System Administrator  
 Josiah Miller, B.A.—Systems Administrator  
 Tommy Riley, B.B.A.—Database Administrator  
 Shelley Shuga, B.B.A. – Systems Administrator

**IT Support**

Joshua Tooley, B.S.—Associate Director, IT Support  
 Rob Allen, B.A, M.A.—Customer Services Consultant  
 Cathleen Dawson-Jackson, A.A.—Sr. Customer Services Consultant  
 Charles Dewar, M.B.A.—IT Coordinator, Harris  
 Trey Ivy, B.S.—IT Coordinator, Provost  
 Jonathan McNair, B.S. – IT Coordinator, Student Affairs  
 Matt Coffer, B.A.—IT Support, Athletics  
 Rebecca Glass, B.S.—Sr. Customer Services Consultant

**Institute of Behavioral Research**

Kevin Knight, Ph.D.—IBR Director and Professor of TCU School of Medicine and Saul B. Selts Chair of Psychology  
 George W. Joe, Ed.D.—Senior Research Scientist  
 Wayne E.K. Lehman, Ph.D.—Senior Research Scientist  
 Jennifer Edwards Becan, Ph.D.— Research Scientist

Jennifer Pankow, Ph.D.— Research Scientist  
 Yang Yang, Ph.D.-Research Scientist  
 Randi Proffitt, Ph.D. – Associate Research Scientist  
 Jennifer Lux, Ph.D.-Associate Research Scientist  
 Amanda Wiese, Ph.D.-Associate Research Scientist

**Institutional Research**

Cathan L. Coghlan, A.B., M.S.S.W., Ph.D.—Director  
 Lindsey Millns, M.B.A.—Assistant Director, Reporting & Operations  
 Melissa Reeves, B.S.W., M.S.S.W.—Assistant Director, Data Analytics & Governance

**Center for International Studies: TCU Abroad - Directory**

Sandra R Callaghan, B.S., M.P.A, Ph.D.—Director, Center for International Studies and Associate Professor of Accounting  
 Tracy Williams, B.A., M.A., Ph.D.—Associate Director  
 Melissa Garza, Ph.D.—Program Coordinator  
 Nicole LeBlanc. —Program Coordinator  
 Jessica Webb, B.A., M.A., Ph.D.—Program Coordinator  
 Tami Zeiner, B.A.—Office Services Coordinator

**Marketing and Communication**

Tracy Syler-Jones, B.A., M.B.A—Vice Chancellor  
 Bill Hartley, B.A., M.A.—Assistant Vice Chancellor, Marketing  
 Margaret Kelly, B.A.—Executive Director of Community Projects  
 Flo Hill, B.A.—Director of Conference Services  
 Calen Jones, B.A., M.G.A.—Assistant Director of Conference Services  
 Norma Martin, B.S., M.A.J., M.A.—Senior Director, Editorial Services  
 Caroline Collier, B.A., M.L.A.—Assistant Director of Editorial Services  
 Trisha Spence, B.A.—Assistant Director of Editorial Services  
 Rachel Harris, B.A.—Senior Director of Advancement Communications  
 Ma'lisa Yost, B.S.—Assistant Director of Advancement Communications  
 Holly Ellman, B.S.—Associate Director of Strategic Communications  
 Shelley Hulme, B.S.—Senior Manager of Internal Strategic Communications  
 Katherine Polenz, B.A., M.A.—Associate Director of Marketing  
 Megan Murphey-Jones, B.A., B.S., M.L.A.—Assistant Director of Marketing  
 Corey Reed, B.F.A.—Director of Website & Social Media Management  
 Elaine Tubre, B.A., M.S.—Associate Director of Website & Social Media Management  
 Jennifer Zarate, B.F.A.—Senior Web Designer  
 Amy Peterson, B.A.—New Media Specialist  
 Jackie Keiser—Senior User Interface Developer  
 Nicholas Tillman—Web Services Front End Designer  
 Tracy Bristol, B.F.A., M.L.A.—Digital Content Specialist  
 Elizabeth Rainwater, B.S., M.B.A.—Director of Admission Marketing  
 Kris Copeland, B.S.—Creative Director  
 Gorland Mar, B.F.A.—Director of Graphic Design  
 Liz Parks, A.A., B.A.—Assistant Director of Graphic Design  
 John K. Maddox, B.A.—Senior Art Director  
 Julie Kelton, B.A.—Project Manager  
 Robert Carter—Digital Asset Coordinator

**Mary Coats Burnett Library - Directory**

Tracy Hull, B.A., M.A., M.S.L.I.S.—Dean  
 Cari Alexander, B.A., B.A., M.M., M.L.S.—Head, Music/Media Library  
 Kristen Barnes, B.A., M.L.S.—Access Services Librarian  
 Charles Bellinger, B.S., M.A., Ph.D., M.S.L.S.—Brite Librarian  
 Walter Betts, B.M., M.L.S.—Systems Librarian

Diana Boerner, B.A., M.L.I.S.—Research Librarian: Business, Economics, Journalism, Strategic Communication and Ranch Management  
 Jeffrey Bond, B.S., B.M.E., M.L.S., M.S.—Scholarly Communication Librarian & Science Research Liaison  
 Kerry Bouchard, B.A., M.F.A., M.L.S.—Director of Library Systems  
 Jacob Brown, B.A., M.A., M.L.I.S.—Digital Services Librarian  
 Linda Chenoweth, B.S., M.S.L.S. —Head, Reference and Instruction  
 Julie Christenson, B.A., M.F.A., Ph.D., M.L.I.S. —Rare Books Librarian  
 Shelda Dean, B.A.—Marketing and Communications  
 Sara Dillard, B.A., M.A., M.S.L.S.—Catalog Librarian  
 Stephanie Folse, B.A., M.A., M.L.I.S.—Web Services Librarian  
 David Hamrick, B.A., M.M., Ph.D., M.S.L.S.—Music/Media Catalog Librarian  
 Leah Hamrick, B.A., M.L.S. - Electronic Resources Librarian & Assistant Head of Technical Services  
 Ammie Harrison, B.A., B.A., M.A., M.L.I.S.—Humanities and Theatre Librarian  
 Ann Hodges,  
 Boglarka Huddleston, B.A., B.A., M.A., M.S.L.I.S.—Health Sciences Liaison & Assessment Librarian  
 Tracy Hull, B.A., M.A., M.S.L.I.S.—Associate Dean  
 Michael Lampley, B.A., M.L.I.S.—Electronic Serials Librarian  
 James Lutz, B.A., B.A., M.S.L.S.—Director of Library Administrative Services  
 Dennis Odom, B.A., M.L.S.—Head, Technical Services  
 Robyn Reid, B.A., M.L.I.S., M.Ed.—Social Sciences Librarian  
 Laura Ruede, B.M., M.L.S.—Dance Librarian and Van Cliburn Archivist  
 Mary Saffell, B.A., M.A., M.L.I.S., C.A.—Senior Archivist  
 Alysha Sapp, B.A., M.L.I.S.—Nursing & Nurse Anesthesia Librarian  
 Cheryl Sassman, B.S., M.B.A.—Head, Circulation  
 Laura Steinbach, B.F.A., M.F.A., M.L.S.—Art and Design Librarian  
 Brad Trussell, A.A., A.S., BAAS, M.S.—Innovation Collaborator

## Facilities

Todd S. Waldvogel, P.E., B.S., M.E.—Associate Vice Chancellor for Facilities & Campus Planning  
 Rebecca Atkinson—Director, Procurement  
 Lisa Aven, RID, IIDA, LEED GA, B.S.—Interior Designer  
 Trevor Austin—Assistant Sports Turf Manager  
 McLeod Baker—Supervisor, Controls  
 Rodney Baker, Manager—Facilities Services  
 Richard T. Bryan, B. Arch, M.U.P.—Director of Operations  
 Kellen Dean—Manager, Electrical  
 Andy Easley—Facility Service Manager  
 Rob Glenn—Manager, Customer Service Center  
 Mark Hart—Sign Shop  
 Marcus Mitchell—Supervisor, Access Shop  
 David Muzzy, PE, CEM—Energy Manager  
 Serisa Otey—Facilities Accountant  
 Greg Pitts—Supervisor, General Maintenance  
 John Pinachio—Project Manager  
 Glenn Putnam, PE—Director, Utility Systems  
 Brooke Ruesch, LEED GA, B.S.—Director, Project Management  
 Erron Savage, Manager, Mechanical  
 Sam Schlup—Supervisor, Plumbing  
 Andrew Siegel—Sports Turf Manager  
 Jason Soileau —Assistant Vice Chancellor, Campus Planning, Design & Construction

Randall Stayton—Supervisor, Fire/EAS Systems  
 Clint Thomas, PE—Director, Asset Management and Technical Services  
 Erik Trevino, Director, Landscaping & Grounds  
 Jack Washington, Assistant Director, Planning  
 Jocelyn Waterman, Director, Financial Operations  
 Allan Werner, Supervisor, Electrical  
 James Wilder, Warehouse Manager  
 Everlyn Williams—Assistant Vice Chancellor for Facility Finance and Business Operations

## Provost's Office

Teresa Abi-Nader Dahlberg, B.S., M.S., Ph.D.—Provost and Vice Chancellor for Academic Affairs  
 Susan Mace Weeks, B.S., M.S., D.N.P. —Vice Provost for Academic Affairs  
 M. Francyne Huckaby, B.A., M.Ed., Ph.D. – Associate Provost for Faculty Affairs  
 Reginald Wilburn, Ph.D.—Associate Provost for Undergraduate Affairs  
 Wendy Bell, PACE—Academic Program Specialist  
 Shelia Williams, B.S.—Executive Assistant to the Provost and Vice Chancellor  
 Elaine Cole, B.A., M.L.A.—Director of Communications and Special Projects  
 Mica Bibb, B.S., M.L.A.—Associate Director, Faculty Services  
 Amanda Gonzales—Coordinator of Faculty Recruitment and Appointments  
 Claire Sanders, B.A., JD, Ph.D. – Provost's Faculty Fellow and Academic Affairs DEI Advocate  
 Annorah Moorman, B.A., M.S., Ph.D. – Associate Vice Provost for Student Success  
 Joanna Schmidt, B.A., M.S. Ph.D. – Director, Koehler Center for instruction, Innovations & Engagement  
 Sandra Callaghan, B.S., M.S., Ph.D. – Director, Center for International Studies  
 Meredith Brunson, M.P.A. – Director, Academic Affairs Finance and Operations  
 Julie Lovett, B.S., M.Ed. – Director, Extended Education  
 Cheryl Slocumb, B.A., M.A. –Director of the William L. Adams Center for Writing

Theresa Gaul, M.A., Ph.D. – Director of the Core Curriculum

## Risk Management

Drew M. Solomon, B.A.— Director of Risk Management  
 Jonathan G. Brown, B.S.—Environmental Health and Safety Coordinator  
 Richard Adickes, B.S.—Hazardous Materials and Safety Manager  
 Latrina Durham—Risk Specialist

## Sponsored Programs

LeAnn Forsberg—Director  
 Teresa Miles Hendrix, M.P.A.—Associate Director  
 Kristi Lemmon—Grant Compliance and Contract Specialist

## Student Access and Accommodation

Stacy Mason, MA, CRC- Director  
 LaShondra Jimerson, MSW- Associate Director  
 Laurel Cunningham, M.Ed- Coordinator  
 Tatum Ezzell, M.Ed, LSSP- Disabilities Specialist  
 Jenny McNulty, MFT- Disabilities Specialist  
 Alana Yanagida, MSC, LCSW-S- Access & Accommodation Specialist  
 Rita Patzke, BBA- Administrative Assistant

## Enrollment Management

Michael H. Scott, B.F.A., M.B.A.—Associate Provost for Enrollment Management

### Admissions

Heath Einstein, B.A., M.P.P.—Dean of Admission

Mandy Castro, B.A., M.A.—Director of Undergraduate Admission

Sophie Deutsch, B.S., M.A. —Director of Admission Programs

Kevin McDonald, B.A. —Assistant Provost for Enrollment Systems and Analytics

Mike Mooneyham, B.B.A., M.L.A.—Director of Admission Operations

Elizabeth Rainwater, B.S., M.B.A.—Director of Admission Marketing and Communication

Karen Lind Scott, B.S., M.S.—Director of International Admission

Marva Wood, B.S., J.D.—Financial Manager

Lizzette Green, B.A., M.A. – Associate Director of Admission – Access Initiatives

Ray Person, B.S., M.S. – Associate Director of Admission – First-Year

Caitlin Provost, B.A., M.L.A.—Associate Director of Admission Regional - Northeast

April Yandell, M.A.—Associate Director of Admission – Transfer

Jill Countryman, B.S., M.L.A.—Assistant Director of Admission Regional - Midwest

Dalton Goodier, B.A., M.Ed.—Assistant Director of Admission – First-Year

Kat Everard, B.B.A, M.S. - Assistant Director of Admission – Southern CA

Amina Harris, B.A., - Assistant Director of Admission Regional – Southeast

Larissa Marple, B.S., M.Ed. – Assistant Director of Admission Programs

Jessica Mascote, B.S., M.Ed. – Assistant Director of Admission – Access Initiatives

Jenny Moore, B.S., M.L.A. – Assistant Director of Admission Marketing

Amber Patterson, B.A., M.H.R.- - Assistant Director of Admission – Northern CA

Sara Sorenson, B.A., M.B.A.—Assistant Director of Admission Systems

Michael Leshner, B.A., M.L.A.- Senior Transfer Admission Counselor

Hannah Wright, B.A. – Senior Admission Counselor

Colleen McColgan, B.S.B.A. – Transfer Admission Counselor

Angella Owora, B.A., M.S.B.A., – Admission Data Analyst

Cole Polley, B.S., M.L.A. – Admission Counselor

Julia Sheley, B.A. – Admission Counselor

Jesus Silva, B.A. - Digital Marketing Coordinator

Chris Williams, B.S., M.L.A. - Admissions Systems Analyst

### Financial Aid

Victoria K. Chen, B.A., M.L.A., M.B.A.—Executive Director of Scholarships and Financial Aid

Christina Becan, B.G.S.—Business Systems Analyst

Kyle Parsons, B.A., M.A.—Associate Director

Bridget Shehan, B.S.W., M.A.—Associate Director, Compliance

Elizabeth Mechalske, B.G.S., M.L.A., M.Ed.—Assistant Direct

Allen Bissonnette, B.S.—Assistant Director

Kerri Waller, B.B.A.Accounting—Assistant Director

Nancy Cathey, B.A.—Scholarship Coordinator

Lauren Foley, B.S., M.A.—Financial Aid Advisor

Mitchel Goodman, B.B.A.—Financial Aid Advisor

Brittany Schmitz—Financial Aid Advisor

Abraham Salinas, B.B.A.—Financial Aid Advisor

Kiki Davy, B.A.—Financial Aid Advisor

### Registrar

Nichole Mancone Fisher, Ed.D.—Registrar

Tiffany T. Wendt, B.S., M.B.A.—Associate Registrar

Leah Ojeda, B.G.S.—Associate Registrar

Julie Hardy, B.C.J., M.S.—Assistant Registrar - Operations

Kristi Harrison, B.M., M.L.A.—Assistant Registrar - Graduation and Academic Progress

Regina Middleton, M.S., M.Ed.—Assistant Registrar – Training & Professional Development

Eris Xhakupi, B.B.A.—Assistant Registrar - Compliance

## Student Affairs Directory

### Alcohol and Drug Education

Caroline Sahban, M.Ed., LPC—Substance Use and Recovery Counselor for Alcohol and Drug Education

Lindsey Tardif, M.Ed., LPC—Substance Use and Recovery Counselor

### Assessment

Angela Taylor, B.S., M.S., Ph.D.—Director of Student Affairs Quality Enhancement

### Campus Life

Michael Russel, B.S., M.Ed., MBA, Ed.D.—Associate Vice Chancellor for Student Affairs, Dean of Campus Life

Karen Bell Morgan, B.S., M.P.H., Ph.D.—Associate Dean of Campus Life

Jessica Ledbetter, B.A., J.D., Ed.D.—Assistant Dean of Campus Life

Crystal Page, B.A., M.Ed.—Care Coordinator of Campus Life

Jeremy Steidl, B.S., M.P.A.—Assistant Dean of Campus Life

Kathy Quiat,— Administrative Assistant

### Campus Recreation & Wellness Promotion

Jay Iorizzo, B.S., M.S.—Director

Cristina Carpenter, B.S., M.A.—Associate Director

Brad Stewart, B.S., M.Ed.—Associate Director

Yvonne Lin Giovannis, B.A., M.Ed.—Assistant Director, Wellness Education

Aubrey Kurz, B.S., M.S.—Assistant Director, Aquatics

Ryan Keller, B.S., M.S.—Assistant Director, Fitness

Michael Warren, B.A., B.F.A., M.B.A.—Assistant Director, Marketing & Technology

### Center for Career & Professional Development

Michael Caldwell, B.S., M.A.—Executive Director

Chrysteen Gabbert—Administrative Program Specialist

Kimberly Satz, B.S., J.D.—Associate Director, Employer Development

Celeste Lindell, B.S., M.B.A.—Employer Development Manager

Terrence Hood, B.B.A., M.S.— Assistant Director

Melanie Coulson, B.A., M.A.— Career Consultant

Amanda Duvall, B.A., M.P.A. — Career Consultant

Aaron Harris, B.S., M.S.— Career Consultant

Gabriela Pineider, B.A., M.Ed.—Career Consultant

Jessica Cates, B.A., M.S., M.B.A.—Director, Alcon Career Center

Jessica Matula, B.B.A., M.Ed.—Associate Director, Alcon Career Center

Kelsey Gentry, B.A.—Associate Director, Alcon Career Center

Camille Sholars, B.S. —Campus Recruitment Program Administrator

Julie Reynolds—Administrative Assistant, Alcon Career Center

### Counseling Center

Eric Wood, Ph.D.—Director, Licensed Psychologist/Licensed Professional Counselor

Linda Wolszon, Ph.D.—Associate Director, Licensed Psychologist

Kristin Harris-McDonald, Ph.D.—Assistant Director - Training, Licensed Psychologist

Caroline Sahba, M.Ed., LPC—Assistant Director - Substance Use and Recovery Counselor

Daralynn Dearthoff, D.O.—Consulting Psychiatrist

Kim Mercer, DNP, APRN, PMHNP-BC, FNP-BC. —Psychiatric Mental Health Nurse Practitioner

Cathy Elrod, LCSW, ACP—Licensed Clinical Social Worker

Amanda Swartz, Psy.D.—Licensed Psychologist  
 Matthew Johnson, Ph.D., LPC, CMPC—Licensed Professional Counselor and Mental Performance Consultant  
 Lindy Lotz, Ph.D.—Licensed Psychologist  
 Adriana "Adry" Sanders, LPC—Triage/Crisis Care Counselor  
 Chuck Dunning, LPC-S—Outreach Coordinator & Let's Talk Consultant  
 Leah Carnahan—Assistant Director of Title IX Advocacy & Education  
 Lindsey Tardif, M.Ed., LPC—Substance Use and Recovery Counselor  
 Elizabeth Parker, LPC—Triage/Crisis Care Counselor  
 Diane Norton—Administrative Assistant  
 Sharon Perea—Administrative Assistant

**Department of Public Safety**

Adrian Andrews, B.S., M.S.—Assistant Vice Chancellor for Public Safety  
 Robert Rangel, B.S., M.S.—Interim Chief of TCU Police  
 David Coriano, Parking and Transportation Coordinator  
 Sean Taylor, B.S.—Director of Emergency Management

**Culture, Community and International Services**

Trung Nguyen, B.A., M.A., Ed.D.—Interim Assistant Vice Chancellor for Student Affairs  
 Jennifer Rodriguez-Ward—Administrative Assistant

**Fraternities and Sorority Life**

Brooke Scogin, B.F.A., B.S., M.A.—Director of Fraternity & Sorority Life  
 Stephen Dominy, B.B.A., M.S.—Associate Director of Fraternity & Sorority Life  
 Devin Wimberly, B.A., M.A.—Assistant Director for Fraternity and Sorority Life  
 Gaius George, B.A., M.HR—Coordinator for Fraternity and Sorority Life  
 David Sommers, B.A., M.Ed.—Coordinator for Fraternity and Sorority Life  
 Amy Schroer, B.B.A., M.A.—Administrative Program Specialist

**Health Center Providers**

Jane Torgerson, M.D.—Director  
 Ruth Kested, PA-C  
 Holly Coker, PA-C  
 Daralynn Deardorff, D.O.  
 Amy De La Rosa, PA-C  
 Kim Mercer, DNP PMHNP-BC, FNP-BC  
 Evelyn Tobias-Merrill, M.D.  
 Kerri Waldron, M.D.  
 Beth Wieser, D.O.  
 Mary Beth Cox, M.D.

**Housing and Residence Life**

Craig Allen, B.S., M.A.—Director  
 Dave Cooper, B.S., M.S.—Associate Director of Residence Life  
 Mindy Hollan, B.A., M.A.—Associate Director of Housing Administration  
 Rachel Anne Hopper, B.A., M.Ed.—Associate Director of Residence Life  
 Jason Titus, B.S., M.A.—Assistant Director of Residence Life  
 Imani Wimberly, B.A., M.S.—Assistant Director of Residence Life  
 Miles Oller, B.A., M.Ed.—Assistant Director of Residential Facilities  
 John Hernandez, AAs.—Manager of Residential Housekeeping  
 Gwen Clymo, B.S.—Business Operations Analyst  
 Melissa Draper, B.S., MLA—Coordinator of Housing Assignments  
 Danielle Hoefeld, B.A., M.S.—Area Coordinator  
 Megan Mosiniak, B.A., M.Ed.—Area Coordinator

**Inclusiveness and Intercultural Services**

Timeka Gordon, B.A., M.S., Ed.D.—Director of IIS and Community Scholars  
 Jamartae Jackson, B.S., M.Ed.—Program Coordinator for Community Scholars and First Generation

**International Student Services (ISS)**

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.—Advisor to International Students

**Student Veteran Services**

April Brown, B.S., M.Ed.—Director of Veterans Services

**Marketing**

Susan Nethery, B.A., M.B.A.—Director of Student Affairs Marketing  
 Diana Selman, B.F.A., M.F.A.—Associate Director of Design & Website Management

**Office of Religious and Spiritual Life**

Todd Boling, B.A., M.Div.—University Chaplain  
 Lea McCracken, B.A., M.Div.—Associate Chaplain and Church Relations Officer  
 Mallory Nason, B.A. — Associate Director, RSL & Robert Carr Chapel  
 Cindy Rodriguez, Administrative Assistant

**Quality Enhancement**

Angela Taylor, B.S., M.S., Ph.D., LPC-S — Director of Quality Enhancement

**Student Activities**

Kim Turner, B.B.A., M.S.Ed.—Executive Director of Student Activities  
 Brad Thompson, MLA—Assistant Director of Student Activities and Marketing Coordinator  
 Kelly Lee, B.S., M.S.—Student Activities Coordinator  
 Mallory Odom, B.A.—Student Activities Coordinator for Publications & Campus Engagement

**Student Development Services**

Vanessa Roberts Bryan, B.S., M.S., Ed.D.—Assistant Dean of Student Development  
 Rosangela Boyd, B.A., B.Ed., M.Ed., Ph.D.—Director, Community Involvement & Service Learning  
 Deepti Chadee, B.S., M.Ed.—Director, Senior Year Experience  
 Keri Cyr, B.A., M.Ed.—Director, Student Success  
 Tyler Fisher, B.S., M.Ed.—Director, TCU Leadership Center  
 Tara McWhorter, B.A., M.A.—Director, First Year Experience  
 Dede Williams, B.B.A., M.B.A.—Director, Student Organizations, Learning & Development  
 Erin Wilson B.A., M.S.—Associate Director, Community Engagement Programming  
 Stefan Altheide, B.S., M.Ed.—Assistant Director, Student Development Services (Transfer Students)  
 Jasmin Chung, B.S., M.Ed.—Assistant Director, First Year Experience  
 Philip Dodd, B.A., M.S.—Assistant Director, TCU Leadership Center  
 Lindsay Knight, B.A., M.Ed.—Assistant Director, TCU Leadership Center  
 Brian McDermott, B.S., M.S.—Assistant Director, First Year Experience  
 Brianna Varela, B.A., M.S.—Assistant Director, Sophomore & Junior Year Experience  
 Reggie Jennings, B.S., M.Ed.—Coordinator, Student Development Services (Leaders 4 Life)  
 Kate Bentley, B.A., B.A., M.,Ed.—Coordinator, Student Development Services (Leaders 4 Life)  
 Marit Winborn, B.S., M.Ed.—Coordinator, Community Engagement Programming  
 Laura Shaw, B.S., M.Ed.—Operations Manager  
 Janette Hudson—Administrative Assistant

**University Unions**

Natalie Boone, B.S., M.S.Ed.—Assistant Director of University Unions for Operations  
 Leticia Mendoza, B.S., M.S.Ed.—Assistant Director of University Unions for Student Engagement  
 Kent Mire, B.S., M.S.—Director of University Unions for Operations

**Vice Chancellor for Student Affairs**

Kathy Cavins-Tull, B.A., M.S., Ph.D.—Vice Chancellor for Student Affairs

Sue McClellan—Executive Assistant for the Vice Chancellor for Student Affairs

**Yearbook**

Mallory Odom, B.A.—Student Activities Coordinator for Publications and Campus Engagement

**TCU Press**

Dan Williams, PhD—Director

Kathy Walton, B.A.—Editor

Molly Spain, B.A., M.L.A.—Office Manager

Melinda Esco, B.A.—Production Manager

Rebecca Allen, B.A., B.S., M.L.A.—Marketing and Promotions Coordinator

**University Advancement**

Donald J. Whelan, Jr., B.S., EMIB — Vice Chancellor

Michelle Clark, B.A., M.A., APR—Associate Vice Chancellor Advancement Strategy and Administration

**Advancement Communications**

Rachel Harris, B.A. — Senior Director

Ma'lisa Yost, B.S. — Assistant Director

**Advancement Operations**

Travis Soyer B.S., M.B.A — Associate Vice Chancellor of Advancement Operations

Corina Cervantes, B.J. — Assistant Director of User Services

Yvonne Mann, B.B.A. — Advancement Help Desk Manager

Brandon Frank, B.G.S., M.L.A. — Documentation and Training Program Manager

Creed Henry II, B.S., M.B.A. — Business Systems Analyst

Michele Anders, B.S. — Director of Gift and Data Management

Miki Rayburne — Lead Gift Processor

Christina DeLeon — Gift Processor

Lori Pinson — Gift Processor

Sherry Crenshaw — Data Entry Student Supervisor

Tanya Wilkinson — Data Control Specialist

Laura Pyle, B.S — Director of Reporting and Technical Services

Troy Lewis — Lead Technical Services Analyst

Martha Freeman, B.B.A. — CRM Reporting Analyst

Anne Quevreaux, B.G.S. — CRM Reporting Analyst

Marianne Daily — CRM Reporting Analyst

James Torres — Business Intelligence Developer

Kristi Kolpanen, B.B.A., M.B.A — Assistant Director of Web Services

Daniel Carver—Web Developer/Technical Support

Don Dowell, B.B.A. — Graphic Designer/Web Developer

**Alumni Relations**

Amanda Stallings, B.S., M.L.A. — Associate Vice Chancellor, Alumni Relations

Carrie Brown, B.S., M.L.A. — Director, Alumni Relations

Jessica Cung, B.S. — Assistant Director of Alumni Relations

Brooke Shuman, B.A., M.Ed. — Associate Director, Alumni Relations

Melissa Austin-Weeks B.S.N. — Associate Director, Alumni Relations

Thomas Brown, B.S. — Associate Director, Alumni Relations

Ryan Tiglas, B.S. — Assistant Director, Alumni Relations

Rob Beuerlein, B.A. — Assistant Director, Alumni Relations

**Athletic Fund-Raising (Frog Club)**

Jennifer Colley, B.S. — Associate Athletic Director/Executive Director

Michael Levy, B.S. — Associate Athletic Director

John Denton, B.A. — Executive Director of TCU Lettermen's Association

Glenda Clausen — Assistant Director of Frog Club

Rudy Weiser, B.A., M.L.A. — Assistant Director Development

Dominic Fazio, Assistant Director Development

**Donor Relations**

Julie Whitt, B.B.A. — Associate Vice Chancellor of Donor Relations

Beth Cardwell, B.B.A. — Senior Director of Donor Relations

Karen Crouch, B.S. — Assistant Director of Donor Relations, Scholarships

Jenny Pitcock, B.A., M.A., Ph.D. — Assistant Director of Donor Relations, Endowment Reports

Audie Kuhn, B.S. — E-Stewardship Coordinator

Asaiah Puente — Donor Stewardship Coordinator

Andrea Losa, B.A. — Donor Stewardship Writer

**University Development**

David Nolan, B.A., M.A. — Associate Vice Chancellor of University Development

Michael Levy, B.S., — Associate Athletics Director for Development

Adam Baggs, B.A., M.P.A. — Assistant Vice Chancellor of College Development

Kathy Fletcher, B.A., MPA, CFRE — Development Director of Liberal Arts

Elyse Robinson, B.S. — Development Director of Fine Arts

Elizabeth Deegan, B.A. — Senior Development Director of Business

Valerie DeSantis B.A., M.Ed. — Development Director College of Science &amp; Engineering

Jennifer Pearson, B.A., J.D. — Development Director of Communication

Laura Patton, B.A., M.D. - Development Director of Nursing and Health Sciences

Angela Strittmatter B.S. — Special Projects

Ellie Hahn, B.A. — Associate Development Director of Business

Marc Mitrano, B.A. — Development Director Education

Shelly Frank, B.A., M.L.A. — Development Director Honors College

Kenton Watt, B.A. — Senior Development Director Medical School

Jason Byrne, B.S., M.S., MBA — Senior Director Corporate &amp; Foundation Relations

Dennis Alexander, B.S. — Director of Foundation Giving

Merrilee Kuylen, B.B.A., C.P.A. — Senior Director of Gift Planning

Melissa Villegas, B.A., CFP®, EA — Director of Gift Planning

Marisa LePak — Associate Director of Gift Planning

Wendy Gilbert, B.A. CAP®, CFRE — Assistant Director Gift Planning

Janine Kraus, B.S., M.Ed., Ph.D. — Assistant Vice Chancellor Loyalty Giving

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Kristee Bell, B.S. — Director Constituent Engagement

Shawn Sibilsky — Development Director Leadership Gifts

Shannon Hughes. — Assistant Director Office of Loyalty Giving

Mario Aquino, B.A. — Assistant Director of Loyalty Giving

LyTer Green, B.S. — Director Marketing Coordinator

Penny Bishop, B.S. — Senior Director Parent Giving

David Dibble, B.A., M.A. — Development Director Parent Giving

Julie Kleberg — Parent Events

Michelle Franke, B.S. — Senior Director of Prospect Development

Alice Carter, B.A., M.A. —Data Quality Strategist

Andrea Heitz, B.A., M.S., M.T.S. — Senior Advancement Research Officer

Amanda Horton, B.F.A — Research Officer

Donia Wright, B.A., M.A. — Research Officer

Mike Edwards, B.A., M.S. — Senior Director Regional Development

Laura Barclay, B.B.A. — Development Director Midwest US &amp; East TX

David Ferrell, B.A. — Development Director Southeastern US &amp; Houston

Maya Jhangiani, B.B.A. — Development Director Eastern US &amp; San Antonio



Kendall Riddell, B.S. — Development Director Southwestern US & Austin  
 Ashley Thames Brown, B.A. — Development Director Northwestern US & DFW

## Koehler Center for Instruction, Innovation and Engagement Directory

Joanna Schmidt, M.S.—Interim Director  
 Afsaneh Farhadi – Director, Online and Distance Learning  
 Cecilia Lunt—Project Coordinator  
 Megan Clawson, M.A.—Faculty Developer  
 Travis Kramer—eLearning Manager

## William L. Adams Center for Writing

Cheryl Slocumb, B.A., M.A.—Director  
 Cynthia Shearer, B.A., M.A.—Associate Director  
 Sidney Thompson, B.A., M.F.A., Ph.D.—Instructional Staff

## Office of Religious and Spiritual Life

Todd Boling, B.A., M.Div.—University Chaplain  
 Jeremy Albers, B.A., M.Div.—Associate Chaplain and Church Relations Officer  
 Lisa Swain—Chapel Coordinator

## Faculty

### Neeley School of Business at TCU Directory

Hettie Richardson, Interim Dean and Associate Dean, Undergraduate  
 Mark B. Houston, Associate Dean, Faculty & Research  
 David G. Allen, Senior Associate Dean, Graduate Program  
 Lynn Muller, Assistant Dean, Undergraduate Programs  
 Mark Muller, Assistant Dean, Finance and Administration  
 Anne Rooney, Assistant Dean, Neeley Graduate Programs  
 Suzanne M. Carter, Executive Director, EMBA Program  
 Morgan L. Swink, Executive Director, Supply and Value Chain Center  
 Jim Roach, Executive Director, Neeley Executive Education at the Tandy Center  
 Megan Korn Russell, Executive Director, External Relations  
 Jessica Cates, Senior Director, Graduate Student Success  
 Mauricio Rodriguez, Director, Luther King Capital Management Center for Financial Studies  
 Zach Hall, Director, TCU Sales Center  
 Laura Meade, Director, International Programs  
 Chuck Miller, Director, Information Technology  
 Kelly O'Brien, Director, Professional Development Center Professional Development Center at Neeley  
 Jessica Matula, Director, Alcon Services Center  
 Michelle Franklin, Director, Neeley Academic Advising Center  
 Rodney D'Souza, Director, Institute for Entrepreneurship & Innovation  
 Ann Bluntzer, Executive Director, Ralph Lowe Energy Institute  
 Ann Tasby, Director, Office of Inclusive Excellence  
 Kenneth Chapman, College Diversity Advocate  
 James Hill, Director, Center for Real Estate  
 DANYELLE L. ACKALL, Instructor of Management. B.S. (Texas A&M University), 1996; M.S. (University of Texas at Arlington), 2003; Ph.D. (Texas Christian University), 2021. Since 2014.  
 ROBERT AKIN, JR., Assistant Professor of Professional Practice. B.G.S. (Texas Christian University), 1998; MBA (Ibid.), 2002; Ed.D. (Ibid.) 2013. Since 2003.  
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ZAIN ALI, Assistant Professor of Professional Practice in Business Analytics. B.S. (Wichita State University), 1989; M.S. (Ibid.); 1992; Ph.D. (University of North Texas), 2022. Since 2022.

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THOMAS H. ALLISON, Associate Professor of Entrepreneurship. B.B.A. (Wichita State University), 2009; Ph.D. (University of Oklahoma), 2016. Since 2019.

AARON H. ANGLIN, Associate Professor of Entrepreneurship. B.S. (Western Carolina University), 2004; M.E. (Western Carolina University), 2006; MS. (North Carolina State University), 2013; Ph.D. (University of Oklahoma), 2017. Since 2017.

ERIC Arseneau, Associate Professor of Professional Practice of Entrepreneurship and Innovation. B.S. (Eastern Illinois University), 2009; M.B.A. (Eastern Illinois University), 2010; Ph.D. (Oklahoma State University), 2015. Since 2023.

J. ANTONIO BANOS, Instructor, Neeley NIL, Institute for Entrepreneurship and Innovation, Bloxom Foundation Professor of Sports Entrepreneurship. B.B.A. (Texas State University), 2008; M.Ed. (Southern Methodist University), 2011. Since 2017.

LANCE A. BETTENCOURT, Professor of Professional Practice, Academic Director BNSF Neeley Leadership Program. B.S. (California State University, Bakersfield), 1991; Ph.D. (Arizona State University), 1998. Since 2017.

YASHODA BHAGWAT, Associate Professor of Marketing. B.A. (University of Michigan, Ann Arbor), 2008, M.S. (University of Alabama, Tuscaloosa), 2009, Ph.D. (Georgia State University), 2015. Since 2015.

JOHN BIZJAK, Professor of Finance and Holder of the Robert & Maria Lowdon Chair of Business Administration. B.A. (University of California, Berkeley), 1983, Ph.D. (University of Utah), 1992. Since 2010.

ANN BLUNTZER, Associate Professor of Professional Practice in Management and Executive Director, Ralph Lowe Energy Institute. B.S. (Texas A&M University), 1999; M.Ed. (Texas A&M University), 2000; Ph.D. (University of South Carolina), 2008. Since 2018.

AUDRA BOONE, Professor of Finance and holder of the C.R. Williams Professor of Finance Chair. B.S. (University of Kansas), 1997; Ph.D. (Pennsylvania State University), 2002. Since 2016.

STACY BOURGEOIS, Instructor in Business Analytics. B.S. (University of Texas at Arlington), 2003; M.S. (Ibid), 2003; Ph.D. (Ibid.), 2007. Since 2022.

TERRANCE BOYD, Assistant Professor of Management. B.S. (University of Arkansas), 2013; M.S. (University of Arkansas), 2014; Ph.D. (Louisiana State University), 2023. Since 2023.

LAYNE C. BRADLEY, Instructor in Business Information Systems. B.A. (University of Texas at Arlington), 1970; M.B.A. (Texas Christian University), 1980; M.A. Business Communications (Jones International University), 2005. Since 2011.

TYSON R. BROWNING, Professor of Operations Management. 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.

DEVIN S. BURNELL, Assistant Professor of Entrepreneurship and Innovation. B.S. (University of Central Florida), 2016; M.S. (University of Central Florida), 2018; Ph.D. (Kelley School of Business, Indiana University), 2023. Since 2023.

SANDRA R. CALLAGHAN, Associate Professor of Accounting. B.S. (Texas Christian University), 1988; M.P.A. (University of Texas at Austin), 1990; Ph.D. (Michigan State University), 1998. Since 1998.

SUZANNE M. CARTER, Professor of Professional Practice in Management and Executive Director, EMBA Program. B.S. (University of Illinois), 1986; M.B.A. (University of Texas at Austin), 1992; Ph.D. (Ibid.), 1997.

KENNETH CHAPMAN, JR., Instructor. B.A. (University of Oklahoma), 2007; M.Ed. (University of Oklahoma), 2012; Ph.D. (University of Oklahoma), 2018. Since 2021.

JEFF ZEYUN CHEN, Associate Professor of Accounting. BS (Fudan University), 2002; MBA (University of Louisiana at Lafayette), 2004; Ph.D. (University of Houston), 2009. Since 2017. CPA

BRANDON K. CHICOTSKY, *Assistant Professor of Professional Practice in Marketing*. B.A. (The University of Texas at Austin), 2007; M.S.M. (New York University), 2012; Ph.D. (The University of Alabama), 2017. Since 2019.

SANGHOON CHO, *Assistant Professor of Business Analytics*. B.S. (Handong Global University), 2012; M.S. (Seoul National University), 2014; M.S. (Iowa State University), 2016; Ph.D. (University of South Carolina), 2022. Since 2022.

ELIJAH CLARK, *Instructor of Marketing*. B.S. (Art Institutes), 2008, M.S. (Full Sail University), 2010, D.B.A. (Walden University), 2017. Since 2022.

SHANA M. CLOR-PROELL, *Professor of Accounting*. B.S. (Cornell University), 2000; M.S. (Cornell University), 2006; Ph.D. (Cornell University), 2007. Since 2011.

JANICE B. COBB, *Instructor II of Accounting*. B.B.A. (Texas Christian University), 1984; M.B.A. (Ibid.), 1986; Ed.D. (Ibid.) 2017. Since 1997. CPA.

MICHAEL S. COLE, *Professor of Management*. B.A. (Arkansas Tech University), 1996; M.A. (University of Tulsa), 1997; Ph.D. (Auburn University), 2003. Since 2007.

KIMBERLY COOK, *Lecturer*. B.S. (Fordham University), 1998; M.B.A. (University of Dallas), 2003; Ed.D. (Texas Christian University) 2017; Since 2023.

PATRICK CROCKER, *Professor of Professional Practice in Healthcare Management*. B.S. (Texas Christian University), 2004; M.C.J. (Virginia Commonwealth University), 2007; J.D. (T.C. Williams School of Law, University of Richmond), 2007; L.L.M. (The United States Army Judge Advocate General's School, University of Virginia), 2016; M.B.A. (Haas School of Business, University of California), 2020; Since 2023.

JULIE DAHLQUIST, *Professor of Professional Practice in Finance*. B.B.A. (University of Louisiana, Monroe) 1984; M.A. (St. Mary's University), 2003; Ph.D. (Texas A&M University), 1989. Since 2015.

JENNIFER K. D'ANGELO, *Assistant Professor of Marketing*. B.S. (University of Southern California), 2013; Ph.D. (Ibid.), 2020. Since 2020.

C. CLIFFORD DEFEE, *Associate Professor of Professional Practice in Supply Chain Management*. B.B.A. (Texas A&M University), 1981; M.B.A. (Ibid.) 1983; Ph.D. (University of Tennessee), 2007. Since 2019.

JONATHAN DOMBROW, *Assistant Professor of Professional Practice of Finance*. B.S. (Purdue University), 1989; M.S. (Louisiana State University), 1991; Ph.D. (University of Connecticut), 1997. Since 2022.

WILL DROVER, *Professor and Chair, Department of Entrepreneurship and Innovation*. B.S. Business Administration, (University of Missouri); M.B.A. (California State University, Long Beach); Ph.D. Business Administration, (Southern Illinois University), 2014. Since 2022.

GEORGE DRYMIOTES, *Professor of Accounting*. B.B.A. (University of Cyprus), 1999; Ph.D. (University of Florida), 2004. Since 2013.

RODNEY R. D'SOUZA, *Associate Professor of Professional Practice in Entrepreneurship, and Managing Director of the TCU Neeley Institute for Entrepreneurship and Innovation*. B.Com. (University of Pune), 1999; M.C.M. (Ibid.), 2000; M.B.A. (Northern Kentucky University), 2003; Ph.D. (University of Louisville), 2009. Since 2018.

PAUL A. EVANS, *Instructor of Entrepreneurship and Innovation, Associate Director of the TCU Neeley Institute for Entrepreneurship and Innovation*. B.A. (University of Florida), 2010; M.S. (University of Florida), 2011. Since 2022.

ELLIE C. FALCONE, *Assistant Professor of Supply Chain Management*. B.S. (Henan Institute of Education), 2010; B.S. (University of Arkansas), 2017; Ph.D. (Ibid.), 2020. Since 2023.

GRANT FARNSWORTH, *Assistant Professor of Professional Practice in Finance*. B.A. (Brigham Young University), 2004; B.S. (Ibid.); 2004; M.S. (Northwestern University), 2007; Ph.D. (Pennsylvania State University), 2015. Since 2015.

KARSON E. FRONK, *Assistant Professor of Accounting*. B.S. (Brigham Young University), 2018; MAcc (Brigham Young University), 2018; Ph.D. (University of Georgia), 2023. Since 2023.

WILLIAM GRIESER, *Associate Professor of Finance*. BBA (Texas State University), 2011; B.S. (Ibid.), 2011; Ph.D. (Michigan State University), 2015. Since 2017.

ZACH HALL, *Associate Professor of Marketing*. B.B.A. (Texas A&M Corpus Christi); 2005; MBA (Texas Tech University); 2007; M.S. Finance (Ibid.); 2007; Ph.D. Marketing (University of Houston); 2013. Since 2013.

JOSEPH S. HARRISON, *Associate Professor of Management*. B.S. (University of Richmond), 2009; Ph.D. (Texas A&M University), 2017. Since 2017.

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, *Professor of Entrepreneurship and Innovation, Robert and Edith Schumacher Executive Faculty Fellow, and Academic Director of the TCU Neeley Institute for Entrepreneurship and Innovation*. A.S. (Greenfield Community College), 1995; B.S. University of Massachusetts), 1998; M.S. (Rensselaer Polytechnic Institute), 2002; Ph.D. (Ibid.), 2005. Since 2005.

JAMES HILL, *Instructor of Finance*. B.B.A. (University of Texas at Austin), 2001; M.B.A. (Texas Christian University), 2005. Since 2022.

PATRICK L. HOPKINS, *Assistant Professor of Accounting*. B.B.A. (Mercer University), 2005; M. Acc. (Georgia Southern University), 2008; Ph.D. (University of Arkansas), 2019. Since 2019. CPA

MARK B. HOUSTON, *Professor of Marketing and Holder of the James L. and Eunice West Chair of Marketing, Associate Dean Faculty & Research*. B.S. (Southwest Baptist Seminary), 1984; M.B.A. (University of Missouri, Columbia), 1990; Ph.D. (Arizona State University), 1995. Since 2017.

PAUL J. IRVINE, *Holder of the Kleinheinz Family Foundation Endowed Chair in International Finance and Investments*. B.B.A. (University of Calgary); M.A. (Simon Fraser University); M.S. (University of Rochester), 1993; Ph.D. (Ibid.), 1996. Since 2013.

BEATA JONES, *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.

PATRICIA JORDAN, *Associate Professor of Professional Practice in Supply Chain Management*. B.S. (Oklahoma State University), 1986; M.B.A. (Ibid), 1992; Ph.D. (Ibid), 2014. Since 2015.

SWAMINATHAN KALPATHY, *Associate Professor of Finance*. B.S. (Birla Institute of Technology & Science), 1994; M.B.A. (Southern Illinois University), 1999; Ph.D. (Arizona State University), 2004. Since 2013.

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RYAN A. KRAUSE, *Professor of Management*. B.S. (Indiana University), 2009; Ph.D. (Indiana University), 2013. Since 2013.

MARK C. LAYTON, *Instructor in Supply Chain Management*. B.S. (Northern Arizona University), 1981; Master of Professional Studies in Supply Chain Management (Pennsylvania State University), 2015. Since 2018.

ROBERT P. LEONE, *Professor of Marketing and J. Vaughn and Evelyne H. Wilson Chair of Marketing*. B.A. (University of Texas at Arlington), 1973; M.B.A. (Ibid.), 1974; Ph.D. (Purdue University), 1978. Since 2008.

RANDY LEWIS, *Instructor II 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.

LARRY J. LOCKWOOD, *Professor of Finance and Holder of the Dr. Stan Block Endowed Chair in Finance*. B.S. (David Lipscomb University), 1975; M.A. (Western Kentucky University), 1979; M.S. (Purdue University), 1980; Ph.D. (Ibid.), 1982. Since 1994.

STEPHEN LUSCH, *Associate Professor of Accounting and Academic Director Neeley Fellows Program*. B.S. (Texas Christian University), 2008; MS (University of Notre Dame), 2009; Ph.D. (University of Arizona) 2014. Since 2017.

STEVEN C. MANN, *Associate Professor of Finance, and Chair Department of Finance*. B.S. (University of Utah), 1984; Ph.D. (Ibid.), 1994. Since 1994.

LAURA M. MEADE, *Professor of Professional Practice in Supply Chain*. B.S. (Valparaiso University), 1986; M.B.A. (University of Texas at Arlington), 1991; Ph.D. (Ibid.), 1997. Since 2004.

VASSIL MIHOV, *Professor of Finance*. B.A. (Graceland College), 1995; Ph.D. (Purdue University), 2000. Since 2000.

THOMAS MOELLER, *Associate Professor of Finance*. B.A. (University of Giessen), 1995; M.B.A. (University of Kentucky), 1996; Ph.D. (University of Texas at Austin), 2002. Since 2006.

JOHN S. NELSON, *Instructor in Business Information Systems*. B.A. (Luther College), 1978; M.S.M.E. (University of Minnesota), 1982; Ph.D. (Ibid.), 1984. Since 2014.

KAREN K. NELSON, *Holder of the M.J. Neeley Professor in Accounting*. B.S. (University of Colorado), 1988; Ph.D. (University of Michigan), 1997. Since 2016. CPA.

MARC NERI, *Associate Professor of Professional Practice in Accounting*. B.S. (Durham University), 1996; MH (University of Dallas), 2008; Ph.D. (University of North Texas), 2016. Since 2016.

PETER O. OBITADE, *Assistant Professor of Professional Practice in Business Analytics*. B.A. (University of Lagos), 1990; M.B.A. (University of St. Thomas), 2002; Ph.D. (University of North Texas), 2015. Since 2022.

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HETTIE A. RICHARDSON, *Professor of Management, and Associate Dean of Undergraduate Programs*. B.A. (University of Houston), 1994; M.A. (University of Georgia), 1996; Ph.D. (Ibid.) 2001. Since 2013.

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MAURICIO RODRIGUEZ, *Professor of Finance and Real Estate, Holder of the Theodoro and Beulah Beasley Faculty Fellowship*. B.B.A. (George Washington University), 1988; M.B.A. (American University), 1989; Ph.D. (University of Connecticut), 1994. Since 1994.

TRACEY ROCKETT-HANFT, *Professor of Professional Practice and Director of Online PMBA*. B.S. (Texas A&M University), 1995. Ph.D. (University of Texas at Dallas), 2002. Since 2012.

JOSEPH A. ROH, *Associate Professor of Supply Chain Management*. B.S. (U.S. Air Force Academy), 1988; MS (Air force Institute of Technology), 1994; PhD (Michigan State University). 2010. Since 2010.

GRETCHEN R. ROSS, *Assistant Professor of Marketing*. B.S. (The University of Virginia), 2009. MAcc (The College of William & Mary), 2010; Ph.D. (The Pennsylvania State University), 2020. Since 2020.

STELLA K. SEYB, *Assistant Professor of Entrepreneurship and Innovation*. B.A. (University of Canterbury, New Zealand), 2012; MSc (University of Canterbury, New Zealand), 2015; Ph.D. (Indiana University, Bloomington), 2019. Since 2023.

MICHAEL S. SHERROD, *Instructor II, and William M. Dickey Entrepreneur in Residence*. B.A. (University of Notre Dame), 1974; M.A. (University of Missouri at Columbia), 1976; E.M.B.A. (Texas Christian University), 2010. Since 2011.

STELLA K. SEYB, *Assistant Professor of Entrepreneurship and Innovation*. B.A. (University of Canterbury, New Zealand), 2012; MSc (University of Canterbury, New Zealand), 2015; Ph.D. (Indiana University, Bloomington), 2019. Since 2023.

ABBIE J. SHIPP, *M.J. Neeley Professor of Management*. B.B.A. (Oklahoma State University), 1996; MBA (Ibid.), 2000; Ph.D. (University of North Carolina), 2006. Since 2012.

KELLY T. SLAUGHTER, *Associate Professor of Professional Practice in Information Systems*. B.B.A. (University of Texas Austin), 1992; M.B.A. (University of Chicago), 1999; Ph.D. (University of Minnesota), 2009. Since 2018.

TEODORA TOMOVA SHAKUR, *Assistant Professor of Management*. B.A. (University of California-Berkeley), 2016; M. Phil (New York University-Stern School of Business), 2021; Ph.D. (New York University-Stern School of Business), 2022. Since 2022.

JEFF K. STRATMAN, *Chair and Professor of Information Systems and Supply Chain Management*. B.S.E. (Princeton University), 1989; Ph.D., (University of North Carolina at Chapel Hill), 2001. Since 2013.

MORGAN L. SWINK, *Professor of Supply Chain Management and Holder of the Eunice and James L. West Chair in Supply Chain Management*. B.S. (Southern Methodist University), 1983; MBA (University of Dallas), 1986; Ph.D. (Indiana University), 1992. Since 2010.

ANN J. TASBY, *Instructor II of Accounting*. B.S. (DeVry University), 1992; M.B.A. (Ibid.), 2003. Since 2017. CPA.

SRIRAM THIRUMALAI, *Associate Professor of Supply Chain Management*. BTech (Indian Institute of Technology), 2000; Ph.D., (University of Minnesota), 2005. Since 2013.

TRAVIS TOKAR, *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.

LAN ANH N. TON, *Assistant Professor of Marketing*, B.B.A (Woosong University), 2016; M.S. (University of Southern California), 2018; Ph.D. (University of Georgia), 2023. Since 2023.

KELLY TRAGER, *Assistant Professor of Professional Practice, Department of Entrepreneurship and Innovation*. M.A., B.A., (Boston University), 1998; J.D., (Brooklyn Law School), 2007. Since 2021.

CHI TRAN, *Assistant Professor of Marketing*, B.Com. (Royal Melbourne Institute of Technology), 2012; M.S. (Texas A&M University), 2015; Ph.D. (University of Oregon), 2023. Since 2023.

VIRGINIA TRAWEEK, *Assistant Professor of Finance*. B.S. (Texas A&M University), 2005; M.S. (Texas A&M University), 2007; M.S. (University of Alabama Birmingham), 2012; Ph.D. (University of Michigan), 2022. Since 2022.

MINAKSHI TRIVEDI, *Professor of Marketing and Holder of J. Vaughn and Evelyne H. Wilson Professor of Business*. M.Sc. (Delhi University, India), 1978; M.B.A. (BK School of Management, India), 1984; Ph.D. (University of Texas at Dallas), 1991. Since 2016.

AMY TROUTMAN, *Instructor of Accounting and Director of the Professional Program in Accounting*. B.B.A. (The University of Texas at Austin), 1997; M.P.A. (Ibid.), 1997. Since 2018. CPA.

MARY UHL-BIEN, *Professor of Management and Management and Leadership Department Chair, and BNSF Railway Endowed Professor in Leadership*. B.B.A. (University of Cincinnati), 1986; M.B.A. (Ibid.) 1988; Ph.D. (Ibid.), 1991. Since 2014.

PATRICIA DORAN WALTERS, *Professor of Professional Practice in Accounting*. B.A. (College of St. Elizabeth), 1970; M.B.A. (New York University), 1985; Ph.D. (New York University), 1993. Since 2011. CPA.

DAVID WELTMAN, *Associate Professor of Professional Practice in Supply Chain Management*. B.S. (Southern Methodist University), 1984; M.S. (Ibid.), 1986 M.S. (University of Texas at Arlington), 2006; Ph.D. (Ibid.), 2007. Since 2012

WILLIAM F. WEMPE, *Professor of Accounting and Chair, Department of Accounting*. BS (McPherson College), 1986; MBA (Wichita State University), 1989; Ph.D. (Texas A&M University), 1998. Since 2001.

XIAOYAN (WINNIE) WEN, *Associate Professor of Accounting*. BS (Tsinghua University), 1998, MS (Ibid.), 2001 and 2003, Ph.D. (Carnegie Mellon University), 2007. Since 2015.

MARK B. WILLS, *Instructor II of Accounting*. B.B.A. (Valdosta State University), 1990; M.Acc. (University of West Georgia), 2012. Since 2017. CPA.

BARBARA WOOD, *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 at Arlington), 2005. Since 2001.

LAURIE WOOD, *Instructor II of Accounting*. B.B.A. (Texas Christian University), 1999; M.B.A. (University of Texas, Arlington), 2001. Since 2007.

MEGHAN WRIGHT, *Assistant Professor of Professional Practice in Management*, B.A. (Monmouth College), 1996; M.S. (Western Illinois University), 2000; Ph.D. (Benedictine University), 2013. Since 2023.

ERIC YORKSTON, *Associate Professor of Marketing and Chair, Department of Marketing*. B.A. (University of Colorado), 1992; M.B.A. (Rutgers University), 1995; M.Phil. (New York University), 1997; Ph.D. (New York University), 2000. Since 2005.

## Bob Schieffer College of Communication Directory

Kristie Bunton, *Dean*

Wendy Macias, *Associate Dean for Undergraduate Studies*

Julie O'Neil, *Associate Dean for Graduate Studies and Administration*

### Communication Studies

TIMOTHY BETTS, *Assistant Professor*, B.S. (Texas Christian University), 2017; M.S. (Texas Christian University), 2019; Ph.D. (University of South Florida), 2022. Since 2022.

ERYN BOSTWICK, *Assistant Professor*, B.A. (The Ohio State University), 2010; M.A. (University of Oklahoma), 2014; Ph.D. (University of Oklahoma), 2018. Since 2022.

KRISTEN CARR, *Associate Professor*. B.A. (Stonehill College), 2001; M.S. (Texas Christian University), 2009; Ph.D. (University of Nebraska-Lincoln), 2012. Since 2012

KATHERINE E. FORSYTHE, *Instructor*. B.A. (Texas Christian University), 2010; M.A. (Texas Christian University), 2013. Since 2014.

ZACHARY FROHLICH, *Instructor*, B.S. (North Dakota State), 2004; M.A. (Ibid.) 2006. Since 2022.

JOHNY GARNER, *Professor*. B.A. (Abilene Christian University), 1999; M.A. (Ibid.), 2001; Ph.D. (Texas A & M University), 2006. Since 2010.

BRITNEY GILMORE, *Assistant Professor*. B.S. (Texas A&M University - Texarkana), 2012; M.A., (Stephen F. Austin University), 2013; Ph.D. (University of Oklahoma), 2020. Since 2020.

CHRIS HARPER, *Instructor II*. B.A. (Arkansas State University), 1994; B.A. (Ibid.), 1994; M.A. (Ibid.), 1996; Ed.S. (Arkansas State University), 2011; Ed.D. (Ibid.) 2008. Since 2017.

AMORETTE N. HINDERAKER, *Assistant Professor*. B.A. (South Dakota State University), 1997; M.A. (North Dakota State University), 2009; Ph.D. (Ibid.), 2012. Since 2012.

DEBI L. IBA, *Senior Instructor*. B.S. (Southwest Missouri State University), 1984; M.A. (Ibid.), 1987; Ph.D. (University of North Texas), 2007. Since 2005.

ANDREW LEDBETTER, *Professor*. B.S. (Wheaton College), 2002; M.A. (University of Kansas), 2004; Ph.D. (Ibid.), 2007. Since 2010.

CARRIE MOORE, *Instructor II*. B.S. (West Texas A & M University), 2002; M.A. (Texas Tech University), 2004. Since 2011.

JIHYUN (ESTHER) PAIK, *Assistant Professor*. B.B.A. (Yonsei University), 2010; M.S. (University of Michigan - Ann Arbor), 2012; M.A. (Michigan State University), 2014; Ph.D. (University of Wisconsin - Madison), 2020. Since 2020.

CHRIS R. SAWYER, *Professor*. B.A. (Houston Baptist University), 1976; M.S. (Texas Christian University), 1980; Ph.D. (University of North Texas), 1992. Since 1999.

PAUL SCHRÖDT, *Professor and Director of Graduate Studies*. B.A. (University of Texas, Arlington), 1997; M.A. (University of North Texas), 2000; Ph.D. (University of Nebraska-Lincoln), 2003. Since 2006.

MELISSA Y. SCHROEDER, *Associate Professor and Chair*. B.A. (State University of New York), 1991; M.A. (Ibid.), 1993; Ph.D. (Ibid.), 1996. Since 1995.

QINGHUA (CANDY) YANG, *Assistant Professor*. B.A. (Capital Normal University Beijing, China), 2009; M.A. (Ibid.), 2011; M.A. (Ibid.), 2012; Ph.D. (University of Miami), 2015. Since 2017.

JIE (JACKIE) ZHUANG, *Assistant Professor*. B.A. (Fudan University, P.R. China), 2007; M.A. (Michigan State University), 2009; Ph.D. (Ibid.), 2014. Since 2017.

### Film, Television and Digital Media

RICHARD J. ALLEN, *Professor*. B.F.A. (New York University), 1981; M.F.A. (Indiana University), 1984. Since 1993.

DUSTIN HAHN, *Associate Professor*. B.A. (Harding University), 2009; M.A. (Texas Tech University), 2012; Ph.D. (Texas Tech University), 2014. Since 2016.

KYLO-PATRICK HART, *Professor and Chair*. A.B. (University of California), 1988; M.A. (University of Southern California), 1993; M.A. (Ibid.), 1993;

M.A. (Wayne State University), 1999; M.A. (Dartmouth), 2009; Ph.D. (University of Michigan), 1999. Since 2010.

RONALD ANDREW HASKETT, *Associate Professor of Professional Practice in Film, Television, and Digital Media*. B.S. (East Texas State), 1979; M.S. (Texas Christian University), 1982. Since 1980.

TRICIA JENKINS, *Professor*. B.A. (Ambassador University), 1997; M.A. (Western Michigan University), 2003; Ph.D. (Michigan State University), 2007. Since 2008.

CHARLES J. LAMENDOLA, *Associate Professor of Professional Practice in Film, Television, and Digital Media and Studio/Video Production Supervisor*. B.S. (Arkansas State University), 1981; M.S. (Ibid.), 1988. Since 1994.

ANNE MAJOR, *Assistant Professor*. B.A. (University of South Carolina), 2008; M.A. (University of Texas at Austin), 2012; Ph.D. (University of Texas at Austin), 2019. Since 2022.

MICHAEL MARTIN, *Associate Professor of Professional Practice 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.

KIMBERLY OWCZARSKI, *Associate Professor*. B.A. (University of Michigan), 1997; M.A. (University of Texas at Austin) 2001; Ph.D. (Ibid.), 2008. Since 2010.

CHARITY ROBINSON, *Instructor*. B.A. (University of Texas at Arlington), 2011; M.A. (University of Florida), 2013. Since 2019.

JORDAN SCHONIG, *Assistant Professor*. B.A. (University of California, Irvine), 2009; Ph.D. (University of Chicago), 2017. Since 2022.

JOEL TIMMER, *Professor*. B.S. (Miami), 1988; J.D. (University of California-Los Angeles), 1993; Ph.D. (Indiana University), 2002. Since 2002.

### Department of Journalism

JEAN MARIE BROWN, *Associate Professor of Professional Practice in Journalism*. B.S. (Northwestern University), 1986; M.S. (Texas Christian University), 2013. Since 2013.

KRISTIE BUNTON, *Professor and Dean*. B.J. (University of Missouri), 1983; M.A. (Ibid.), 1989; Ph.D. (Indiana University), ye1993ar. Since 2015.

SHUGOFA DASTGEER, *Assistant Professor*. B.A. (Kabul University, Kabul, Afghanistan), 2009; M.A. (University of Oklahoma), 2013; Ph.D. (Ibid.), 2017. Since 2017.

MELISSA HARRISON, *Assistant Professor of Professional Practice*. B.A. (Baylor University), 1995; M.A. (Columbia University), 2005. Since 2019.

JAIME LOKE, *Associate Professor*. B.A. (Indiana University). 2002; M.A. (University of Texas) 2005; Ph.D. (Ibid.), 2011. Since 2017.

UCHE ONYEBADI, *Professor*. B.S. (University of Benin, Nigeria), 1981; M.S. (University of Lagos, Nigeria), 1983; M.A. (University of Missouri), 2005; Ph.D. (Ibid.), 2008. Since 2016.

DAXTON STEWART, *Professor*. B.A. (Southern Methodist University), 1994; J.D. (University of Texas at Austin), 1998; M.A. (University of Missouri), 2004; LL.M. (Ibid.), 2007; Ph.D. (Ibid.), 2009. Since 2008.

JOHN R. TISDALE, *Associate Professor*. B.S. (Lamar University), 1983; M.A. (Ibid.), 1988; Ph.D. (University of North Texas), 1996. Since 2002.

PATTY ZAMARRIPA, *Assistant Professor of Professional Practice*. B.S./B.A. (Texas Christian University), 2010; M.A. (University of California - Berkeley), 2013. Since 2018.

### Department of Strategic Communication

SARAH ANGLE, *Instructor & Faculty Advisor for ROXO*. M.S. (Texas Christian University), 2004; B.S. (Southern Illinois University), 2002. Since 2018.

JOSH BENTLEY, *Associate Professor and Director of Graduate Studies*. B.S. (John Brown University), 2002; M.S. (Oklahoma State University), 2010; Ph.D. (University of Oklahoma), 2013. Since 2015.

TAE RANG CHOI, *Assistant Professor*, B.A. (Michigan State University), 2011; M.A. (University of Texas at Austin), 2015; Ph.D. (Ibid.), 2019. Since 2020.

CATHERINE COLEMAN, *Professor and Chair*. B.A. (University of the South, Sewanee), 1998; B.A. (Ibid.), 1998; Ph.D. (University of Illinois), 2009. Since 2010.

ASHLEY ENGLISH, *Assistant Professor*. B.S. (University of North Texas), 2006; M.S. (Ibid.), 2008; Ph.D. (Ibid.), 2015. Since 2016.

DUKE GREENHILL, *Instructor*. B.S. (The University of Texas at Austin), 2002; M.F.A. (Columbia University), 2011. Since 2022.

AMISO GEORGE, *Professor*. B.S. (Ohio University), 1986; M.A. (Ibid.), 1987; Ph.D. (Ibid.), 1992. Since 2005.

GUY GOLAN, *Associate Professor*. B.A. (University of Florida), 1992; M.A. (New York University), 1996; Ph.D. (University of Florida), 2003. Since 2020.

JONG-HYUOK JUNG, *Associate Professor*. B.A. (Korea University, Seoul, South Korea), 2001; M.A. (University of Florida), 2005; Ph.D. (University of Texas at Austin), 2009. Since 2012.

EUNSEON (PENNY) KWON, *Assistant Professor*. B.A. (Southern Illinois University), 2005; M.A. (Syracuse University), 2012; Ph.D. (University of Missouri), 2016. Since 2016.

STEVE LEVERING, *Instructor II*. B.S. (Samford University), 1990; M.S. (Texas Christian University), 2006. Since 2002.

LIANG (LINDSAY) MA, *Assistant Professor*. B.A. (Dalian University of Foreign Languages, Dalian, China), 2005; M.A. (New Mexico State University), 2011; Ph.D. (University of Maryland), 2016. Since 2016.

WENDY MACIAS, *Associate Professor*. B.A. (University of Minnesota), 1992; M.A. (University of Texas at Austin), 1997; Ph.D. (Ibid.), 2000. Since 2010.

RUSSELL MACK, *Instructor*. B.A. (American University), 1990; J.D. (George Washington Law School), 2006. Since 2017.

JULIE O'NEIL, *Professor*. B.B.A. (University of Texas at Austin), 1992; B.J. (Ibid.), 1992; M.A. (St. Mary's University), 1997; Ph.D. (University of Utah), 2001. Since 2001.

BROXON SEARS, *Assistant Professor of Professional Practice*. B.F.A. (Kansas State University), 1977; M.F.A. (Texas A & M University-Commerce), 2012. Since 2008.

## College of Education Directory

Frank Hernandez, *Dean*

Jan Lacina, *Associate Dean of Research, Graduate Studies and Strategic Partnerships*

Cynthia Savage, *Associate Dean of Teacher Education, Assessment and Undergraduate Affairs*

Gabriel Huddleston, *Chair, Department of Counseling, Societal Change and Inquiry and Director of the Center for Public Education and Community Engagement*

Ashley Tull, *Chair, Department of Educational Leadership & Higher Education*

Robin Griffith, *Chair, Department of Teaching and Learning Sciences*

Audra Guereca, *Assistant to the Dean*

Damian Patton, *Director of Laboratory Schools*

Audrey Sorrells, *Director of Alice Neeley Special Education Research and Service (ANSERS) Institute*

Molly Weinburgh, *Director of the Andrews Institute of Mathematics and Science Education*

Heather Doyle, *Director of Accreditation, Certification and Assessment*

Adam Hile, *Director of Field Experience and Community Partnerships*

Shay Nogie, *Academic Advisor*

Molly Peake, *Teacher Residency Coordinator*

CURBY ALEXANDER, *Associate Professor Professional Practice*. B.S. (Utah State University), 1985; M.A. (Colorado State University), 2001; Ph.D. (University of Virginia), 2009. Since 2012.

HAYAT ALHOKAYEM, *Associate Professor*. B.S. (American University of Beirut), 1996; M.Ed. (Ibid.), 2006; Ph.D. (Michigan State University), 2012. Since 2012.

TARYN ALLEN, *Associate Professor*. B.A. (Baylor University), 2003; M.S.Ed. (Ibid.), 2005; Ph.D. (University of Texas at Austin), 2012. Since 2019.

SUSAN E. ANDERSON, *Associate Professor*. B.S.Ed. (University of Virginia), 1983; M.Ed. (Ibid.), 1986; Ed.D. (Ibid.), 1992. Since 1992.

MICHELLE BAUML, *Professor, Clotilda Winter Professor in Early Childhood Education*. B.S. (Texas A&M, College Station), 1992; M.Ed. (University of St. Thomas), 2004; Ph.D. (University of Texas at Austin), 2010. Since 2010.

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.

STEPHANIE CUELLAR, *Postdoctoral Fellow*. B.A. (Midwestern State University), 2011; M.A. (Midwestern State University), 2013; Ph.D. (Texas Christian University), 2022. Since 2022

AMBER ESPING, *Associate Professor*. B.M. (California State University), 1996; M.S. (Indiana University), 2007; Ph.D. (Ibid.), 2008. Since 2008.

MIRIAM EZZANI, *Associate Professor*. B.S. (University of Southern California), 1999; M.S. (Ibid.), 2003; Ed.D. (Ibid.) 2009. Since 2019.

MICHAEL FAGGELLA-LUBY, *Professor*. B.A. (College of the Holy Cross), 1998; M.Ed. (University of Notre Dame), 2000; Ph.D. (University of Kansas), 2006. Since 2013.

SARAH QUEBEC FUENTES, *Professor*. B.A. (Boston College), 1995; M.S.T. (Ibid.), 1997; Ed.D. (Montclair State University), 2009. Since 2009.

ROBIN GRIFFITH, *Professor and Chair*. B.S. (Texas Tech University), 1994; M.Ed. (Ibid.), 1998, Ph.D. (Ibid.), 2006. Since 2011.

CHRISTINE HALL, *Assistant Professor Professional Practice*. B.A. (University of California), 2001; M.Ed. (Seattle University), 2009; Ph.D. (University of Texas, Arlington), 2020. Since 2022.

FRANK HERNANDEZ, *Dean*. B.S. (Barclay College), 1990; M.Ed. (St. Mary's University of Minnesota), 1997; Ph.D. (University of Wisconsin) 2002. Since 2020.

GABRIEL HUDDLESTON, *Associate Professor, Director and Chair*. B.A. (Denison University), 1999; M.S. (Indiana University), 2009; Ph.D. (Indiana University), 2014. Since 2015.

JO BETH JIMERSON, *Professor*. B.A. (Texas State University), 1995; M.Ed. (Trinity University), 1999; Ph.D. (University of Texas at Austin), 2011. Since 2011.

CEBRIL KARAYIGIT, *Associate Professor*. B.S. (Inonu University), 2008; M.Ed. (University of Arkansas at Little Rock), 2013; Ph.D. (Duquesne University), 2017. Since 2022.

KATHLEEN KYZAR, *Associate Professor*. B.S. (Texas Christian University), 1999; M.A. (Gallaudet University), 2001; Ph.D. (University of Kansas), 2010. Since 2015.

JAN LACINA, *Professor and Associate Dean*. B.S. (Baylor University), 1993; M.Ed. (Texas Woman's University), 1996; Ph.D. (University of Kansas), 1999. Since 2005.

ENDIA LINDO, *Associate Professor*. B.S.S. (Northwestern University), 1998; M.Ed. (Vanderbilt University), 2000; Ph.D. (Vanderbilt University), 2007. Since 2017.

EMILY MICHERO, *Assistant Professor Professional Practice and Clinic Director*. B.S. (University of Texas at Arlington), 2003; M.Ed. (Texas Christian University), 2005; Ph.D. (The University of North Texas), 2016. Since 2021.

PABLO MONTES, *Assistant Professor*. B.S. (University of Wisconsin), 2016; M.A. (University of Texas at Austin), 2018; Ph.D. (University of Texas at Austin) 2022. Since 2022.

RONALD MYERS, *Assistant Professor Professional Practice*. B.A. ((East Central University), 1984; M.Ed. (Baylor University), 1992; Pd.D. (University of Oklahoma), 2004. Since 2022.

STEVE PRZYMUS, *Associate Professor*. B.S.Ed. (University of South Dakota), 1996; M.A. (University of Northern Iowa), 2008; Ph.D. (University of Arizona), 2016. Since 2016.

BRANDY QUINN, *Associate Professor*. B.A. (Whittier College), 1998; M.A. (Loyola Marymount University), 2003; M.Ed. (California Lutheran University), 2005; Ph.D. (Stanford University), 2013. Since 2013.

CYNTHIA SAVAGE, *Professor of Professional Practice and Associate Dean*. B.S. (Oklahoma State University), 1990; M.Ed. (University of Arkansas), 1992; Ph.D. (University of North Texas), 2007. Since 2006.

JENNIFER SMITH, *Associate Professor of Professional Practice*. B.S.Ed. (Miami University), 2000; M.Ed. (Weber State University), 2005; Ph.D. (Texas Woman's University) 2014. Since 2017.

AUDREY SORRELLS, *Professor*. B.A. (Southeastern Louisiana University), 1982; M.Ed. (Southeastern Louisiana University), 1987; Pd.D. (University of Florida), 1997. Since 2022.

MARCELLA STARK, *Associate Professor*. B.A. (Texas A&M), 1991; M.Ed. (University of North Texas); 1993; Ph.D. (Sam Houston State University), 2010. Since 2012.

J. MATTHEW SWITZER, *Associate Professor*. B.S. (Indiana State), 1989; M.A. (University of Northern Colorado), 2007; Ph.D. (University of Missouri), 2011. Since 2011.

ELIZABETH R. TAYLOR, *Professor*. B.S. (Abilene Christian University), 1975; M.A. (Sul Ross State University), 1979; Ph.D. (St. Mary's University), 1993. Since 1998.

ASHLEY TULL, *Professor of Professional Practice and Chair*. B.S. (University of Southern Mississippi), 1994; M.Ed. (University of Southern Mississippi), 1995; Ed.D. (Florida State University), 2004. Since 2021.

CATHRYN VAN KESSEL, *Associate Professor*. B.S. (University of British Columbia), 2000; B.S.Ed. (University of British Columbia), 2005; M.A. (University of British Columbia), 2004; Ph.D. (University of Alberta), 2016. Since 2022.

MOLLY WEINBURGH, *Professor*. B.A. (Agnes Scott College), 1974; M.A.T. (Emory University), 1980; Ph.D. (Ibid.), 1993. Since 2002.

## College of Fine Arts Directory

Amy Hardison Tully, *Dean*

Lori Boornazian Diel, *Associate Dean for Research & Faculty Development*

Janace Bubonia, *Associate Dean for Academic Affairs*

Kristen Queen, *Director of Academic Resource Center*

Elizabeth Kirkendoll, *Assistant Director of Academic Resource Center*

Carrie Franklin, *Assistant to the Dean*

Tyra Musoma, *Academic Advisor*

Diana Bueno, *Coordinator of Degree Certification for the College of Fine Arts*

### School of Art

AMANDA ALLISON, *Associate Professor, Art Education*. B.A. (Louisiana State University), 1996; M.A. (Northwestern State University), 2000; Ph.D. (University of North Texas), 2008. Since 2006.

JAMIN AN, *Assistant Professor and Deedie Potter Rose Chair of Contemporary Art History*. B.A. (University of Virginia), 2009; M.A. (University of California, Los Angeles), 2013; Ph.D. (University of California Los Angeles), 2021. Since 2022.

KALEE APPLETON, *Assistant Professor, Photography*. B.F.A. (Texas Tech University), 2005; M.F.A. (Texas Woman's University), 2014. Since 2018.

NICK BONTRAGER, *Associate Professor of Art, New Media*. B.F.A. (University of Houston), 2008; M.F.A. (The Ohio State University), 2011. Since 2012.

LORI BOORNAZIAN DIEL, *Professor; and Kay and Velma Kimbell Chair in Art History and Associate Dean for Research & Faculty Development*. B.A. (Emory University), 1992; M.A. (Tulane University), 1996; Ph.D. (Ibid.), 2002. Since 2001.

JESSICA L. FRIPP, *Associate Professor, Art History*. B.A. (UC San Diego), 2002; M.A. (Williams College), 2005; Ph.D. (University of Michigan Ann Arbor), 2012.

ADAM FUNG, *Associate Professor, Painting*. B.F.A. (Western Washington University), 2005; M.F.A. (University of Notre Dame), 2008. Since 2013.

DAN JIAN, *Assistant Professor, Drawing*. B.F.A. (Temple University); M.F.A. (The Ohio State University). Since 2019.

DICK LANE, *Professor, Photography and Director of the School of Art*. B.F.A. (University of Texas at Arlington), 1983; M.F.A. (University of Florida), 1985. Since 1989.

RACHEL LIVEDALEN, *Associate Professor, Printmaking*. B.A. (University of Virginia), 2010; M.A. (University of Iowa), 2013; M.F.A. (University of Iowa), 2014. Since 2014.

MARY MBONGON NANGAH, *Instructor II, Art Education*. B.A. (University of Texas at Dallas), 2006; M.F.A. (Parsons, The New School for Design), 2009; Ph.D. (University of North Texas), 2015. Since 2018.

EDITH JANE RILEY-PEINADO, *Visual Resources Librarian and Instructor of Art History*. B.F.A. (Stephen F. Austin State University), 1974; M.A. (Southern Methodist University), 1983. Since 1983.

CHRIS POWELL, *Professor of Art, Ceramics*. B.F.A. (Abilene Christian University), 1980; M.F.A. (Bradley University), 1983. Since 1984.

CAMERON SCHOEPP, *Professor, Sculpture*. B.F.A. (Pacific Lutheran University), 1984; M.F.A. (Texas Christian University), 1987. Since 2003.

WENDY MILA SEPPONEN, *Assistant Professor, Art History*. B.A. (Carlton College), 2006; M.A. (University of Toronto), 2009; PhD (University of Michigan), 2018. Since 2023.

### School for Classical & Contemporary Dance

ELIZABETH GILLASPY, *Professor and Director of the SCCD*. B.B.A. (Texas Tech University), 1985. M.F.A. (Texas Christian University), 1991. Secondary Certification-Dance (Ibid.), 1995. Since 1990.

SUKI JOHN, *Professor*. B.F.A. (University of New Mexico), 1980; M.A. (New York University), 1991; Ph.D. (University of Connecticut), 2007. Since 2007.

NINA MARTIN, *Professor*. B.A. (Empire State College, State University of New York), 2006; M.F.A. (Texas Woman's University), 2008; Ph.D. (Ibid.), 2013. Since 2008.

SARAH NEWTON, *Instructor II in Dance*. B.F.A. (Sam Houston State University), 2005; M.F.A. (Texas Woman's University), 2008. Since 2017.

KEITH SAUNDERS, *Associate Professor of Professional Practice*. M.F.A. (Hollins University), 2017. Since 2018

JESSICA ZELLER, *Associate Professor of Dance*. B.S. (Butler University), 2000; M.F.A. (The Ohio State University), 2008; Ph.D. (The Ohio State University), 2012. Since 2012.

### Design

JAN BALLARD, *Senior Instructor, Graphic Design*. B.F.A. (University of Illinois at Urbana-Champaign), 1983. Since 2015.

CLAUDIA BUTTS, *Instructor, Graphic Design*. BFA (Texas Christian University), 1973. Since 2019.

JENNIFER CADIEUX, *Assistant Professor, Interior Design*. A.A. (San Joaquin Delta College), 2010; B.A. (University of California, Long Beach), 2014; M.F.A. (University of California, Davis) 2018. Since 2023

YVONNE CAO, *Associate Professor, Visual Communication*. B.A. (Hunan Normal University), 2009; Exchange Program (Middle Tennessee State University), 2008; M.F.A. (Louisiana State University), 2012. Since 2014.

DUSTY CROCKER, *Professor of Professional Practice, Graphic Design*. B.F.A. (Texas Christian University), 1982; M.A. (Syracuse University), 1999; Ph.D. (Capella University), 2008. Since 2007.

DAVID P. ELIZALDE, *Professor, Graphic Design and Chair of the Department of Design*. B.F.A. (Texas Christian University), 2003; M.B.A. (Texas Christian University), 2007. Since 2016.

ALBERT MARICHAL, *Associate Professor, Interior Design*. B.S. (University of Houston), 1996; B.Arch (University of Houston) 1996; M.S. (Columbia University) 1997; M.Arch (Harvard) 1999. Since 2015.

MYOSHA MASTON, *Instructor, Interior Design*. B.S. (University of Texas at Arlington), 1998; M.S. (Ball State University), 2022. Since 2022.

TAMARA A. RICE, *Instructor, Interior Design*. B.A. (The Ohio State University), 2014. Since 2022.

AMY ROEHL, *Professor, Interior Design, Interior Design Program Coordinator*. B.S. (Miami University), 1992; M.F.A. (The Art Institute of Chicago), 1996. Since 2007.

ALYSSA HUMPHRIES STEWART, *Associate Professor and Director of the Center for Lighting Education*. B.F.A. (Baylor University), 2004; M.F.A. (Parsons The New School for Design), 2007. Since 2015.

RHONDA WOLVERTON, *Assistant Professor, Graphic Design*. B.F.A. (Brigham Young University), 1994; *Graphic Communications*, M.F.A. (University of Houston) 2014. Since 2023.

### Fashion Merchandising

STEPHANIE BAILEY, *Senior Instructor, Fashion Merchandising*. B.S. (Texas Christian University), 1994; M.A. (Texas Woman's University), 2000. Since 2009.

NICOLE M. BETTINGER, *Instructor I, Fashion Merchandising*. B.S. (Texas Christian University), 1991; M.S. (Texas Woman's University), 2000. Since 2019 as Lecturer, since 2021.

LESLIE BROWNING-SAMONI, *Instructor I, Fashion Merchandising*. B.S. (Syracuse University), 1994; M.A. (New York University), 2000. Since 2019.

JANACE E. BUBONIA, *Professor, Fashion Merchandising and Associate Dean for Academic Affairs in the College of Fine Arts*. B.S. (State University of New York at Oneonta), 1991; M.A. (Texas Woman's University), 1994; Ph.D. (Ibid.), 1998. Since 2000.

SALLY L. FORTENBERRY, *Professor, Fashion Merchandising*, Chair of the Department, and *Director of Center for Merchandising Education and*



Research. B.S. (Carson-Newman College), 1980; M.S. (Texas Woman's University), 1981; Ph.D. (Ibid.), 1985. Since 1989.

SHWETA REDDY, *Professor, Fashion Merchandising*. B.B.A. (Madras University, India), 2001; M.Sc. (Manchester Metropolitan University, United Kingdom), 2004; Ph.D. (Oregon State University), 2008. Since 2008.

JAY SANG RYU, *Professor, Fashion Merchandising*. B.S. (Philadelphia University), 1994; M.S. (University of North Texas), 1996; Ph.D. (Oklahoma State University), 2010. Since 2014.

RIMA SHRESTHA, *Instructor I, Fashion Merchandising*, B.S. (Texas Christian University), 2004; A.A. (Fashion Institute of Design and Merchandising), 2006; M.P.S. (Lim College), 2023.

## School of Music

ELISABETH ADKINS, *Professor of Violin*. B.M. (University of North Texas); M.M.A. (Yale University); M.M. (Yale University); D.M.A. (Yale University). Since 2014.

NEIL ANDERSON-HIMMELSPACH, *Associate Professor of Music Technology and Music Theory/Composition*. A.A. (Pierce College), 1997; B.M. (Pacific Lutheran University), 1999; M.M. (Central Michigan University), 2006; D.M.A. (Florida State University), 2009. Since 2015.

CHRISTOPHER ASPAAS, *Associate Professor of Music and Director of Choral Activities*. B.M. (St. Olaf College), 1995; M.M. (Michigan State University), 1997; PhD (Florida State University), 2004. Since 2015.

SEAN ATKINSON, *Director and Associate Professor of Music Theory*. B.M. (Furman University), 2004; M.M. (Florida State University), 2006; PhD (Florida State University), 2009. Since 2014.

DAVID BEGNOCHE, *Associate Professor of Trombone*. B.M. (New England Conservatory), 1990; M.M. (Manhattan School of Music), 1995; D.M.A. (University of North Texas), 2014. Since 2009.

MARTIN BLESSINGER, *Associate Professor of Music (Theory/Composition)*. B.A. (State University of New York at Stony Brook), 2000; M.A. (Ibid.), 2003; D.M. (Florida State University), 2006. Since 2007.

GINA BOMBOLA, *Instructor in Musicology*. B.M. (Vanderbilt University), 2008; M.M. (University of Nevada, Las Vegas), 2010; M.A. (University of North Carolina at Chapel Hill), 2013; PhD. (Ibid.), 2017. Since 2007.

MICHAEL BUKHMAN, *Assistant Professor, Collaborative Piano and Chamber Music*. B.M. (Oberlin College Conservatory of Music), 2005; M.M. (The Juilliard School), 2007; D.M.A. (Ibid.), 2012. Since 2018.

JON BURGESS, *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*. 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 at Arlington), 1991; M.M. (Texas Christian University), 2000.

STUART G. CHENEY, *Associate 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.

LORI CHRIST, *Director of Music Preparatory Program and Instructor in Piano Pedagogy*. B.M. (Wells College); M.M. (Texas Christian University). Since 1985.

ALLEN CORDINGLEY, *Assistant Professor of Music and Director of Jazz Studies*. B.M.E. (Lawrence University), 2002; M.M. (Youngstown State University), 2004. Since 2023.

PAUL CORTESE, *Assistant Director for Operations*. B.M. (Syracuse University), 1989; M.M. (New England Conservatory), 1992; Ph.D. (Texas Christian University), 2018. Since 2005.

ENRICO ELISI, *Harold D. and Imogene Herndon Associate Professor of Music in Piano*. Diploma (L. Cherubini State Conservatory of Music), 1990; Artists Diploma (International Piano Academy Incontri col Maestro), 1996; M.M. (Peabody Institute of Music), 1999; D.M.A. (Peabody Institute of Music), 2006. Since 2023.

BLAISE J. FERRANDINO, *Professor and Chair 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, *Professor of Music and Director of Bands*. B.M.E. (Commerce), 1981; M.M.E. (Commerce), 1989. Since 2000.

CLAY GARRETT, *Assistant Professor of Professional Practice in Tuba/Euphonium*. B.M. (University of Texas at Tyler), 2008; M.M. (Baylor University), 2010; D.M.A. (University of Texas at Austin), 2019. Since 2023.

MATTHEW R. GARRETT, *Assistant Professor of Professional Practice Music and Assistant Director of Bands*. B.A. (Texas Tech University), 2000; M.M. (Texas Christian University), 2004. Since 2015.

MIKHAIL MISHA GALAGANOV, *Professor of Viola and Chair of Strings Division*. B.M. (Jerusalem), 1994; Artist Certificate (Southern Methodist University), 1996; M.M. (Rice University), 1998; D.M.A. (Ibid.), 2003. Since 2000.

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, *Professor of Music*. A.A. (Del Mar College), 1969; B.M. (University of Texas at Austin), 1971; M.M. (Ibid.), 1973; D.Ed/Music Education (Pennsylvania State University), 1978. Since 2002.

GEORGE (TREY) GUNTER, *Instructor of Music Theory and Composition*. B.M.E. (Texas Christian University), 1995; M.M. (Ibid.), 1997. Since 2011.

GERMÁN AUGUSTO GUTIÉRREZ, *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.

JULIETTE HERLIN, *Assistant Professor of Cello*. B.M. (Conservatoire National Supérieur de Musique de Paris); M.M. (Conservatoire National Supérieur de Musique de Paris); Graduate Diploma (The Juilliard School); D.M.A. (University of Southern California). Since 2022.

CECILIA LO-CHIEN KAO, *Assistant Professor of Professional Practice & Collaborative Piano Artist*. B.M. (National Taiwan Normal University), 2006; M.A. (Ibid.), 2009; M.M. (University of Texas at Austin), 2013; A.D. (Mercer University), 2015; D.M.A. (University of Colorado Boulder), 2019. Since 2019.

SAN-KY KIM, *Associate Professor of Voice and Opera*. 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.

HAERIM (LIZ) LEE, *Assistant Professor of Violin*. B.M. (New England Conservatory); M.M. (Rice University); D.M.A. (University of Michigan). Since 2022.

YUAN XIONG LU, *Associate Professor of Double Bass*. B.M. (Shanghai Conservatory); M.M. (University of Texas at Austin). Since 2008.

COREY MACKKEY, *Assistant Professor of Clarinet*. B.M. (Norther Arizona University); M.M. (University of Minnesota – Twin Cities); D.M.A. (College-Conservatory of Music, University of Cincinnati). Since 2020.

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.

TILL MACIVOR MEYN, *Professor of Music Theory and Composition*. B.A. (University of California, San Diego), 1993; M.M. (Indiana University), 1996; D.M.A. (University of Southern California), 2000. Since 2007.

RICHARD MURROW, *Instructor of Tuba/Euphonium, Tuba-Double Bass Performance*, U.S. Navy School of Music; B.F.A. (Louisiana Tech University).

KRISTEN QUEEN, *Director, Academic Resources Center*. B.M. (University of Oklahoma), 2004; M.M. (Northwestern University), 2006; Ph.D. (Texas Christian University), 2018. Since 2006.

MARLA RINGEL, *Assistant Professor of Music Education and Assistant Director of Choral Activities*. B.M.E. (Texas Christian University), 2008; M.M.E. (Texas Christian University), 2010; D.M.A. (Texas Christian University), 2019. Since 2023.

TWYLA ROBINSON, *Assistant Professor of Professional Practice in Voice*. B.M. (Centenary College of Louisiana); M.M. (Indiana University)

JAMES D. RODRIGUEZ, *Assistant Professor of Voice & Voice Pedagogy and Chair of the Voice Division*. B.M. (Southern Methodist University); M.M. (University of Houston); D.M.A. (University of Houston)

LAURA SINGLETARY, *Assistant Professor and Program Coordinator for Instrumental Music Education*. B.M. and B.M.E. (Florida State University); M.S. (University of Illinois); Ph.D. (Florida State University)

AMY STEWART, *Instructor I*. B.M. (Texas Christian University); M.M. (Texas Christian University); D.W.S. (Robert Webber Institute of Worship Studies)

HEATHER TEST, *Instructor of French Horn*. B.M. (University of North Texas); M.M. (Southern Methodist University)

SHAUNA THOMPSON, *Associate Professor of Flute and Chair of the Woodwind Division*. B.M. (Texas Tech University), 2008; M.M. (University of Cincinnati College-Conservatory of Music), 2010; D.M.A. (University of Cincinnati College-Conservatory of Music), 2012. Since 2013.

COREY TRAHAN, *Instructor in Voice*. B.M. (Louisiana State University), 1997; M.M. (University of Houston), 2000; D.M.A. (University of North Texas), 2012. Since 2019.

TAMÁS UNGÁR, *Professor of Music*. A.Mus.A., L.Mus.A. (Sydney Conservatorium, Australia), 1965; D.M. (Indiana University), 1983. Since 1978.

TIMOTHY D. WATKINS, *Associate 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, *Professor of Music and Coordinator 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.

BRIAN YOUNGBLOOD, *Associate Professor of Professional Practice, Associate Director of Bands, and Director of the Horned Frog Marching Band*. B.M.E. (Abilene Christian University), 1987; M.M. (East Texas State University), 1992. Since 1999.

## Theatre

MICHELE ALFORD, *Costume Studio Manager*. B.F.A. (University of North Texas), 1995. Since 2002.

BRIAN CLINNIN, *Professor*. B.F.A. (University of Kansas), 1992; M.F.A. (Ibid.), 2004. Since 2008.

TRISTAN DECKER, *Associate Professor of Professional Practice and Technical Director*. B.A. (University of Dallas), 1996; M. A. (Texas Woman's University), 2009. Since 2012.

JENNIFER ENGLER, *Professor and Chair of the Department*. B.F.A. (Emporia State University), 1995; M.F.A. (Michigan State University), 1998. Since 2003.

MURELL HORTON, *Associate Professor*. B.A. (Ottawa University), 1989; M.F.A. (Rutgers University), 1993. Since 2015.

JESSICA HUMPHREY, *Assistant Professor*. B.F.A. (Western Carolina University), 2012. M.F.A. (San Diego State University), 2015. Since 2018.

IAN LOVEALL, *Associate Professor*. A.A. (College of the Canyons), 2009; B.A. (California State University of Fresno), 2012; M.F.A. (University of Texas at Austin), 2015.

PENNY MAAS, *Associate Professor*. B.F.A. (Illinois Wesleyan University), 1987; M.F.A. (Virginia Commonwealth University), 2012. Since 2012.

LYDIA MACKAY, *Assistant Professor*. B.F.A. (Texas Wesleyan University), 1999; M.F.A. (Southern Methodist University), 2008. Since 2018.

HARRY PARKER, *Professor*. B.F.A. (Texas Christian University), 1980; M.A. (University of Kansas), 1982; Ph.D. (Ibid.), 1992. Since 2003.

AYVAUNN PENN, *Assistant Professor*. B.A. (Austin College), 2012; M.A. (Louisiana Tech University), 2015; M.F.A. (Columbia University), 2018. Since 2019.

KRISTA SCOTT, *Professor*. B.F.A. (Emporia State University), 1983; M.F.A. (University of Minnesota), 1990. Since 2009.

ALAN SHORTER, *Professor and Associate Chair*. B.A. (Indiana University), 1978; M.F.A. (Minnesota State University at Mankato), 2001. Since 2006.

MICHAEL SKINNER, *Professor*. B.A. (West Texas State University), 1990; M.F.A. (University of Oklahoma), 1993. Since 1993.

THOMAS J. WALSH, *Professor*. B.A. (San Diego State University), 1979; M.F.A. (University of Texas at Austin), 1982; Ph.D. (Ibid.), 1996. Since 1999.

PHILIP ZIELKE, *Scenic Studio Supervisor*. B.F.A. (Texas Christian University), 2006. Since 2006.

## John V. Roach Honors College Directory

Ronald L. Pitcock, *Dean and Wassenich Family Endowed Chair*

Stacy Landreth Grau, *Associate Dean*

Shelley Frank, *Director of Development*

Colby Birdsell, *Director of Honors College Operations*

Marie D. Martinez, *Director of Honors Academic Advising*

Ryann Swanson, *Marketing and Communication Coordinator*

Amanda Ashmead, *Assistant to the Dean*

Keely Self, *Administrative Assistant*

Shannon Cooper, *Academic Advisor*

Justine Grace, *Academic Advisor*

Donna Schonerstedt, *Academic Advisor*

FREDERICK W. GOODING, JR., *Associate Professor and Ronald E. Moore Professor of Humanities*. B.A. (Morehouse College), 1996; J.D. (University of New Mexico), 2000; M.A. (Ibid.), 2001; Ph.D. (Georgetown University), 2013. Since 2018.

STACY LANDRETH GRAU, *Professor of Professional Practice in Entrepreneurship and Innovation*. B.A. (University of Louisiana-Lafayette), 1994; M.S. (Louisiana State University), 1997; Ph.D. (Ibid.), 2002. Since 2008.

RONALD L. PITCOCK, *Dean, Wassenich Family Endowed Chair, and University Professor*. A.B. (Wabash College), 1991; M.A. (Indiana State University), 1993; Ph.D. (University of Kentucky), 2000. Since 2001.

WENDI SIERRA, *Associate Professor*. B.A. (University of Oklahoma), 2005; M.A. (Ibid.), 2008; Ph.D. (North Carolina State University), 2013. Since 2020.

JUAN CARLOS SOLA-CORBACHO, *Assistant Professor of Professional Practice*. B.A. (Universidad Complutense de Madrid), 1989; Ph.D. (Ibid.), 1998. Since 2003.

DANIEL E. WILLIAMS, *Professor*. B.A. (Washington College), 1973; M.A. (University of Denver), 1976; Ph.D. (Ibid.), 1980. Since 2003.

WENDY WILLIAMS, *Professor of Professional Practice*. B.A. (Baylor University), 1993; M.A. (Ibid.), 1996; Ph.D. (Texas Christian University), 2012. Since 2016.

## AddRan College of Liberal Arts Directory

Sonja Stephenson Watson, *Dean*

Ariane Balizet, *Associate Dean of Faculty and Diversity, Equity, and Inclusion*

Muriel Cormican, *Associate Dean of Undergraduate Studies*

Peter M. Worthing, *Associate Dean of Graduate Studies*

Ida N. Hernandez, *Director of AddRan Degree Certification*

## Aerospace Studies

MAJOR BRIAN CHAMBON, *Associate Professor*. B.S. (American Military University), 2011. Since 2021.

LIEUTENANT COLONEL JAMES E. FAGAN, *Professor and Department Chair*. B.A. (University of Oklahoma), 2002; M.A. (American Military University); 2012; M.A. (Air University), 2016. Since 2021.

CAPTAIN ALLEN SPARKMAN, *Associate Professor*. B.S. (Texas A&M University), 2015; M.S. (The University of Arkansas), 2021. Since 2022.

CAPTAIN JOSEPH WOLFER, *Associate Professor*. B.S. (University of Arizona), 2013. Since 2022.

## Comparative Race and Ethnic Studies

STACIE MCCORMICK, *Associate Professor of English and Chair, Comparative Race and Ethnic Studies*. B.S., (Mississippi State University), 1999; M.A. (University of Southern Mississippi), 2003; Ph.D. (Graduate Center-City University of New York), 2011. Since 2014.

Luis A. Romero, *Assistant Professor of Comparative Race and Ethnic Studies*. B.A. (Texas A&M University), 2012; M.A. (University of Texas at Austin), 2014; Ph.D. (University of Texas at Austin), 2018. Since 2019.

## Criminology & Criminal Justice

MICHAEL BACHMANN, *Associate Professor*. B.A. (University of Mannheim, Germany), 2004; M.A. (Ibid.), 2004; Ph.D. (University of Central Florida), 2008. Since 2008.

KENDRA BOWEN, *Associate Professor*. B.S.W. (Midwestern State University), 2005; M.A. and M.S. (University of Texas at Arlington), 2007; Ph.D. (Indiana University of Pennsylvania), 2011. Since 2014.

RONALD G. BURNS, *Professor*. B.S. (University of South Carolina), 1990; M.C.J. (Ibid.), 1993; Ph.D. (Florida State University), 1997. Since 1997.

BENJAMIN P. COMER, *Assistant Professor*. B.S. (Southern Oregon University), 2016; M.A. (Boise State University), 2019; Ph.D. (Sam Houston State University), 2023. Since 2023.



RASHAAN A. DESHAY, *Associate Professor*. B.S. (University of North Texas), 2004; J.D. (Louisiana State University), 2007; M.S. (University of Texas at Dallas), 2012; Ph.D. (University of Texas at Dallas), 2014. Since 2022.

SUSAN BRIE DIAMOND, *Associate Professor and Chair of the Department*. B.A. (University of Texas at Dallas), 2008; M.S. (Ibid.), 2010; Ph.D. (Ibid.), 2013. Since 2013.

PATRICK T. KINKADE, *Professor*. B.A. (University of California at Berkeley), 1981; M.A. (California State University at Los Angeles), 1983; Ph.D. (University of California at Irvine), 1990. Since 1990.

MICHELE MEITL, *Assistant Professor*. B.A. (University of California at Santa Barbara), 2002; J.D. (The Catholic University of America, Columbia School of Law), 2005; M.A. (Arizona State University), 2012; Ph.D. (University of Texas at Dallas), Since 2017.

JOHNNY NHAN, *Professor and Associate Dean of Graduate Studies*. B.A. (University of California at Irvine), 1999; Ph.D. (Ibid.), 2008. Since 2008.

KATHERINE POLZER, *Associate Professor*. B.A. (University of Texas at Austin), 2003; M.S. (California State University at Long Beach), 2005; Ph.D. (University of Texas at Dallas), 2008. Since 2008.

BRAE CAMPION YOUNG, *Assistant Professor*. B.S. (Florida State University), 2012; M.S. (Florida State University), 2012; Ph.D. (Ibid.), 2020. Since 2020.

### Economics

RISHAV BISTA, *Associate Professor*. B.A. (Coe College), 2006; M.S. (University of Kentucky), 2008; Ph.D. (University of Kentucky), 2012. Since 2018.

DOUGLAS G. BUTLER, *Instructor I*. B.A. (Louisiana State University), 1989; Ph.D. (Auburn University), 2005. Since 2003.

MICHAEL R. BUTLER, *Associate Professor*. 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 and Chair of the Department*. B.A. (University of the West Indies), 1988; M.A. (Florida Atlantic University), 1990; Ph.D. (New School for Social Research), 1994. Since 1995.

ROSEMARIE FIKE, *Instructor II*. B.A. (Duquesne University), 2007; M.A. (George Mason University), 2009; Ph.D. (Florida State University), 2015. Since 2015.

ROBERT F. GARNETT JR., *Professor*. B.A. (College of William and Mary), 1984; Ph.D. (University of Massachusetts, Amherst), 1994. Since 1996.

JOHN T. HARVEY, *Professor and Hal Wright Chair of Economics*. B.A. (University of Tennessee), 1983; M.A. (Ibid.), 1986; Ph.D. (Ibid.), 1987. Since 1987.

ZACKARY B. HAWLEY, *Associate Professor*. B.S. (Georgia State University), 2006; M.A. (Ibid.), 2008; Ph.D. (Ibid.), 2012. Since 2012.

DONGWOO KIM, *Associate Professor*. B.A. (Hanvang University), 2007; M.A. (University of British Columbia), 2008; Ph.D. (University of Illinois), 2015. Since 2018.

WEIWEI LIU, *Associate Professor*. B.S. (Shandong University, China), 2005; M.A. (Nankai University, China), 2007; M.A. (Binghamton University), 2009; Ph.D. (Binghamton University), 2012. Since 2016.

JOHN R. LOVETT, *Senior Instructor*. B.A. (Southwest Missouri State University), 1988; M.A. (University of Colorado), 1993; Ph.D. (Ibid.), 1996. Since 2000.

STEPHEN B. NICAR, *Instructor I*. B.A. (University of Florida), 1995; J.D. (Ibid.), 1999; M.A. (University of Colorado-Boulder), 2008; Ph.D. (Ibid.), 2012. Since 2019.

STEPHEN F. QUINN, *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, *Professor*. M.A. (Heidelberg University), 1999; M.A. (State University of New York at Binghamton), 2002; Ph.D. (Ibid.), 2005. Since 2005.

### English

ARIANE M. BALIZET, *Professor and Associate Dean of Faculty and DEI*. B.A. (Pomona College), 2000; M.A. (University of Minnesota), 2003; Ph.D. (Ibid.), 2007. Since 2008.

ASHOK BHUSAL, *Instructor I*. B.A. (Tribhuvan University), 1999; M.A. (Ibid.), 2002; MA (Eastern Illinois University), 2010. Since 2022.

STEPHEN BOAKYE, *Instructor I*. B.Ed. (University of Cape Coast), 2008; M.Phil. (Ibid.), 2013; Ph.D. (The University of Texas at El Paso), 2022. Since 2022.

BONNIE BLACKWELL, *Associate Professor*. B.A. (University of Texas at Austin), 1990; M.A. (Cornell University), 1996; Ph.D. (Ibid.), 1998. Since 1998.

CHANTEL LANGLINAIS CARLSON, *Senior Instructor*. B.A. (Texas A&M University), 1994; M.A. (University of Louisiana at Lafayette), 2002; Ph.D. (Ibid.), 2007. Since 2011.

DAVID COLÓN, *Professor*. B.A. (CUNY Brooklyn College), 1997; Ph.D. (Stanford University), 2004. Since 2008.

A. LAYNE CRAIG, *Senior Instructor*. B.A. (Baylor University), 2002; M.A. (Ibid.), 2004; Ph.D. (University of Texas at Austin), 2009. Since 2012.

JOSEPH DARDA, *Associate Professor*. B.A. (University of Washington), 2009; M.A. (University of Connecticut), 2012; Ph.D. (Ibid.), 2015. Since 2015.

ALEXANDRA EDWARDS, *Instructor*. B.A. (Oglethorpe University), 2006; M.A. (Villanova University), 2012; Ph.D. (University of George), 2017. Since 2021.

ANNE FREY, *Associate Professor and Associate Chair of the Department*. B.A. (Williams College), 1994; M.A. (Johns Hopkins University), 1998; Ph.D. (Ibid.), 2002. Since 2005.

MARCELA FUENTES, *Assistant Professor of English*. B.A. (University of Texas at Austin), 1998; M.F.A. (University of Iowa), 2009; Ph.D. (Georgia State University), 2016. Since 2023.

THERESA STROUTH GAUL, *Professor and Director, TCU Core Curriculum*. B.A. (St. Catherine University), 1990; M.A. (University of Wisconsin at Madison), 1992; Ph.D. (Ibid.), 1998. Since 1999.

ANN L. GEORGE, *Professor*. B.A. (Michigan State University), 1979; M.F.A. (University of North Carolina at Greensboro), 1981; Ph.D. (Pennsylvania State University), 1997. Since 1997.

DANIEL JUAN GIL, *Professor and Director of Graduate Studies*. B.A. (Cornell University), 1993; M.A. (Johns Hopkins University), 1997; Ph.D. (Ibid.), 2000. Since 2005.

JILL CAROLINE HAVENS, *Senior Instructor*. B.A. (Mount Holyoke College), 1989; D.Phil. (Oxford University), 1996. Since 2003.

JASON HELMS, *Associate Professor*. B.S. (The Master's College), 2003; M.A. (San Francisco State University), 2006; Ph.D. (Clemson University), 2010. Since 2012.

CHARLOTTE HOGG, *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.

CARMEN KYNARD, *Professor and Lillian Radford Chair of Rhetoric and Composition*. B.A. (Stanford University), 1993; Ph.D. (New York University), 2005. Since 2019.

ALEX R. LEMON, *Professor*. B.A. (Macalester College), 2001; M.F.A. (University of Minnesota), 2004. Since 2010.

CARRIE SHIVELY LEVERENZ, *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*. B.A. (University of Illinois), 1992; M.A. (Texas State University), 1994; M.L.I.S. (University of Texas at Austin), 1996; Ph.D. (University of Nevada), 2002. Since 2003.

BRANDON MANNING, *Associate Professor*. B.A. (Jackson State University), 2007; M.A. (Ohio State University), 2010; Ph.D. (Ibid.), 2014. Since 2018.

STACIE MCCORMICK, *Associate Professor*. B.S. (Mississippi State University), 1999; M.A. (University of Southern Mississippi), 2003; (Graduate Center-City University of New York), 2011. Since 2014.

MONA NARAIN, *Professor*. B.A. (Panjab University), 1985; M.A. (University of Bombay), 1987; Ph.D. (State University of New York, Stony Brook), 1994. Since 2007.

LISA NIKOLAKIDAS, *Assistant Professor*. B.A. (Rutgers University), 2002; M.A. (Rutgers University), 2006; Ph.D. (Florida State University), 2011. Since 2023.

MATTHEW PITT, *Associate Professor and Director of Undergraduate Studies*. B.A. (Hampshire College), 1997; M.F.A. (New York University), 2000. Since 2012.

ISMAEL QUIÑONES, *Assistant Professor*. B.A. (University of Texas of the Permian Basin), 2016; M.A. (University of Northern Iowa), 2019; Ph.D. (Pennsylvania State University), 2023. Since 2023.

SHUV RAJ RANA BHAT, *Instructor*. M.A. (Tribhuvan University), 2001; MPhil. (Ibid.), 2012; Ph.D. (The University of El Paso), 2021. Since 2021.

SARAH RUFFING ROBBINS, *Lorraine Sherley Professor of Literature*. B.A. (University of North Carolina), 1974; M.A. (Ibid.), 1975; Ph.D. (University of Michigan), 1993. Since 2009.

CURT NELSON RODE, *Senior Instructor*. B.A. (University of Illinois), 1988; M.A. (University of Tennessee), 1992; Ph.D. (Ibid.), 1998. Since 2003.

KAREN M. STEELE, *Professor*. B.A. (St. Olaf College), 1988; M.A. (University of Texas at Austin), 1992; Ph.D. (Ibid.), 1996. Since 1996.

SHARON ARONOVSKY WELTMAN, *Chair of the Department*. B.A. (University of Texas, Austin), 1979, M.A.T. (University of Texas at Dallas), 1984; M.A. (Rutgers University), 1989; M.Phil. (Ibid.), 1989; Ph.D. (Ibid.), 1992. Since 2022.

MAT WENZEL, *Instructor*. B.A. (The Master's College), 2004; M.F.A. (Ashland College), 2015; Ph.D. (Florida State University), 2020. Since 2021.

YINGWEN YU, *Instructor I*. B.A. (Tunghai University), 1999; M.A. (National Chengchi University), 2003; Ph.D. (University of Arizona, Tucson), 2021. Since 2022.

## Geography

ASHLEY COLES, *Associate Professor*. B.S. (Cornell University), 2005; M.A. (University of Arizona), 2008; Ph.D. (Ibid.), 2013. Since 2016.

SEAN CROTTY, *Associate Professor*. B.S. (Texas Christian University), 2003; M.A. (San Diego State University), 2007; Ph.D. (San Diego State University and University of California at Santa Barbara), 2012. Since 2015.

SARAH SCHWARTZ, *Instructor*. B.A. (Hamilton College) 1999; M.A. (South Carolina) 2005; Ph.D. (South Carolina) 2011. Since 2022.

BENJAMIN F. TILLMAN, *Associate Professor and Chair of the Department*. B.S. (Brigham Young University), 1993; M.S. (Ibid.), 1994; Ph.D. (Louisiana State University), 1999. Since 2000.

KYLE WALKER, *Associate Professor and Chair of the Department*. B.A. (Oregon), 2005; M.A. (Minnesota), 2007; Ph.D. (Ibid.) 2011. Since 2012.

XIAOLU ZHOU, *Associate Professor*. B.Eng. (Wuhan University), 2008; M.S. (National University of Singapore), 2010; Ph.D. (University of Illinois at Urbana-Champaign), 2014. Since 2019.

## History

JODI M. CAMPBELL, *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.

SAMUEL M. DAVIS, *Assistant Professor*, B.A. (University of Tennessee), 2010; M.A. (Indiana University), 2013; Ph.D. (Temple University), 2019. Since 2020.

ALAN GALLAY, *Professor and Lyndon Baines Johnson Chair in American History*. B.A. (Florida), 1978; M.A. (Georgetown), 1981; Ph.D. (Ibid.), 1986. Since 2012.

HANAN HAMMAD, *Professor*. B.A. (Cairo University), 1989; M.A. (University of Texas at Austin), 2004; Ph.D. (University of Texas at Austin), 2009. Since 2009.

ALEX HIDALGO, *Associate Professor*. B.A. (United States International University), 1997; M.A. (San Diego State University), 2006; Ph.D. (University of Arizona), 2013. Since 2013.

HADI HOSAINY, *Instructor*. B.S. (Middle East Technical University), 2003; M.A. (Sabanci University), 2007; Ph.D. (University of Texas), 2016. Since 2018.

TODD M. KERSTETTER, *Professor*. B.A. (Duke University), 1986; M.A. (University of Nebraska), 1992; Ph.D. (Ibid.), 1997. Since 2000.

BONNIE LUCERO, *Associate Professor and Neville G. Penrose Chair of History and Latin American Studies*. B.A. (University of the Pacific), 2008; M.Phil. (University of Cambridge), 2009; Ph.D. (University of North Carolina at Chapel Hill), 2013. Since 2022.

WILLIAM MEIER, *Associate Professor and Chair of the Department*. B.A. (Miami University of Ohio), 2002; M.A. (University of Wisconsin), 2004; Ph.D. (University of Wisconsin), 2009.

AARON NAVARRO, *Associate Professor*. B.A. (University of Texas), 1996; M.A. (Harvard University), 1999; Ph.D. (Harvard University), 2004. Since 2018.

CLAIRE A. SANDERS, *Senior Instructor*. B.A. (Mount Holyoke College), 1983; J.D. (University of North Carolina), 1986; M.A. (Ibid.), 1991; Ph.D. (Ibid.), 1996. Since 1998.

REBECCA SHARPLESS, *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.

PETER A. SZOK, *Professor*. B.S. (Georgetown University), 1990; M.A. (Tulane University), 1994; Ph.D. (Ibid.), 1998. Since 2002.

KARA DIXON VUIC, *LCpl Benjamin Whetstone Schmidt Professor of War, Conflict, and Society in 20<sup>th</sup> Century America*. B.A. (Marshall University), 1999; M.A. (Indiana University), 2001; Ph.D. (Ibid.), 2006. Since 2015.

STEVEN E. WOODWORTH, *Professor*. B.A. (Southern Illinois University), 1982; Ph.D. (Rice University), 1987. Since 1997.

PETER M. WORTHING, *Professor and Associate Dean*. B.A. (Trinity College), 1987; M.A. (University of Hawaii at Manoa), 1991; Ph.D. (Ibid.), 1995. Since 2002.

## Military Science

LIEUTENANT COLONEL KEVIN NOGLE, *Professor of Military Science*, B.S. (Florida Tech) 2002. Since 2023.

MASTER SERGEANT CARLOS RODARTE, *Senior Military Science Instructor*. Since 2023.

MAJOR ETHAN CARROLL-SMITH, *Assistant Professor of Military Science*. B.A. (Duquesne University) 2008. Since 2023.

CAPTAIN DREW M. BETTERIDGE, *Assistant Professor of Military Science*. B.S. (Temple University), 2017. Since 2022.

CAPTAIN NENA M. CAUDA, *Assistant Professor of Military Science*. B.S. (University of the Cumberland), 2010; M.B.A. (Lindenwood University), 2012. Since 2022.

SERGEANT FIRST CLASS FRAZIER ETPISON, *Military Science Instructor*. Since 2023.

## Modern Language Studies

NICHOLAS ALBANESE, *Associate Professor and Chair of the Department*. B.A. (University of the South), 1992; M.A. (Middlebury College), 1998; M.S. (College of William and Mary) 1994; Ph. D. (Indiana University), 2011. Since 2015.

GUANGYAN (GWEN) CHEN, *Associate Professor*. B.A. (Anhui Normal University), 1998; M.A. (Nanjing University), 2001; M.A. (University of Iowa), 2005; Ph. D. (Ohio State University), 2011. Since 2014.

MURIEL CORMICAN, *Professor and Associate Dean*. B.A. (National University of Ireland, Galway), 1990; M.A. (University of Missouri), 1992; Ph.D. (Indiana University), 1999. Since 2019.

BENJAMIN HIRAMATSU IRELAND, *Associate Professor*. B.A. (Davidson College), 2012; Ph.D. (University of Michigan), 2017. Since 2017.

MARIE-MADELEINE SCHEIN, *Senior 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*. B.A. (Asbury College), 1983; M.A., French (University of Cincinnati), 1987; M.A., German (Ibid.), 1994; Ph.D. (Ibid.), 1997. Since 1997.

SCOTT G. WILLIAMS, *Associate Professor*. B.A. (Stephen F. Austin State University), 1977; M.A., (Universität Hamburg), 1989; Ph.D. (University of Texas at Austin), 1999. Since 2005.

JUNYU ZHANG, *Instructor*. B.A. (Shenzhen University, China, 2012); M.S.Ed. (University of Pennsylvania, 2014). Since 2019.

## Philosophy

RICHARD F. GALVIN, *Professor and Betty S. Wright Chair in Applied Ethics*. B.A. (Macalester College), 1974; M.A. (University of California at Santa Barbara), 1980; Ph.D. (Ibid.), 1983. Since 1982.

JOHN R. HARRIS, *Associate Professor and Chair of the Department*. B.A. (New Mexico State University), 1997; M.A. (University of Colorado at Boulder), 2001; Ph.D. (Ibid.), 2005. Since 2007.

BLAKE E. HESTIR, *Professor*. B.A. (Texas Christian University), 1988; M.A. (Florida State University), 1996; Ph.D., (Ibid.), 1998. Since 1998.

KELLY A. MCCORMICK, *Associate Professor*. B.A. (Colgate University), 2006; Ph.D. (Syracuse University), 2013. Since 2014.

WILLIAM A. ROCHE, *Professor*. B.S. (University of Utah), 1997; M.S. (Ibid.), 1998; Ph.D. (Ohio State University), 2006. Since 2006.

ALNICA VISSER, *Assistant Professor*. B.A. (University of the Witwatersrand), 2011, B.A. Honors (Ibid.), 2012, M.A. (Ibid.), 2014, Ph.D. (University of Pittsburgh), 2023. Since 2023.

## Political Science

SAMUEL G. ARNOLD, *Associate Professor*. B.A. (Bowdoin College), 2001, M.A. (University of Pittsburgh), 2004, Ph.D. (Princeton University), 2011. Since 2012.

RALPH G. CARTER, *Professor*. B.A. (Midwestern State University), 1974; M.A. (Ohio State University), 1977; Ph.D. (Ibid.), 1980. Since 1982.

ERIC W. COX, *Associate Professor*. B.A. (Austin College), 1997; M.A. (University of Virginia), 2000; Ph.D. (Ibid.), 2005. Since 2004.

CARRIE LIU CURRIER, *Associate Professor and Chair of the Department*. B.A. (University of Michigan), 1996; M.A. (University of Arizona), 1998; Ph.D. (Ibid.), 2004. Since 2004.

MANOCHEHR DORRAJ, *Professor*. B.A. (University of Texas at Austin), 1975; M.A. (Ibid.), 1979; Ph.D. (Ibid.), 1984. Since 1990.

EMILY FARRIS, *Associate Professor*. B.A. (Furman University), 2006; M.A. (Brown University), 2007; Ph.D. (Brown University), 2013. Since 2014.

GRANT FERGUSON, *Instructor II*. B.S. (Vanderbilt), 2007; M.A. (University of Rochester), 2010; Ph.D. (Texas A & M University), 2014. Since 2014.

RONALD KEITH GADDIE, *Hoffman Endowed Chair*. B.S. (Florida State University), 1987; M.A. (University of Georgia), 1989; Ph.D. (Ibid.), 1993. Since 2023.

JOANNE CONNOR GREEN, *Professor*. B.S. (State University of New York at Buffalo), 1990; M.A. (University of Florida), 1992; Ph.D. (Ibid.), 1994. Since 1994.

RACHAEL B. HOUSTON, *Assistant Professor*. B.A. (Coastal Carolina University), 2017, M.A. (University of Minnesota), 2020, Ph.D. (Ibid.), 2022. Since 2022.

JASMINE C. JACKSON, *Assistant Professor*. B.A. (Jackson State University), 2017, M.A. (Purdue University), Ph.D. (Ibid.), 2022. Since 2022.

MATTHEW MONTGOMERY, *Assistant Professor*. B.A. (Georgia Gwinnet College), 2013; M.A. (Georgia State University), 2015; Ph.D. (Ibid.), 2019. Since 2020.

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, *Professor*. B.A. (Chapman University), 1996; M.A. (Arizona State University), 1998; Ph.D. (University of North Carolina), 2003. Since 2003.

BRANDY JOLIFF SCOTT, *Instructor*. B.A. (Indiana State University), 2007; M.A. (University of Oklahoma), 2009; M.A. (University of Colorado at Boulder), 2011; Ph.D. (Ibid.), 2015. Since 2021.

JAMES M. SCOTT, *Herman Brown Chair*. B.A. (Weaton College), 1986; M.A. (Northern Illinois University) 1988, Ph.D. (Ibid) 1993, Since 2011.

MICHAEL STRAUSZ, *Professor*. B.A. (Michigan State University), 1999; M.A. (University of Washington), 2001; Ph.D. (Ibid.), 2007. Since 2008.

## Religion

ANTOINETTE E. DeNAPOLI, *John F. Weatherly Professor of Religion*. B.A. (University of South Florida), 1996; M.A. (The Florida State University), 2000; Ph.D. (Emory University) 2009. Since 2017.

MARK W. DENNIS, *Professor*. B.B.A. (University of Wisconsin), 1984; M.A. (Ibid.), 2001; Ph.D. (Ibid.), 2006. Since 2007.

PATRICIA A. DUNCAN, *Associate Professor*, B.A. (University of Missouri), 1998; M.Div. (University of Chicago), 2003; Ph.D. (Ibid.) 2014. Since 2015.

J. SAGE ELWELL, *Professor and Chair of the Department*. 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.

ERIK A. ESTRADA, *Assistant Professor of Religion*. STB (Pontifical University of St. Thomas Aquinas), 2002; STL (Augustinianum Patristic Institute), 2005; MMS (University of Notre Dame), 2009; Ph.D. (University of Notre Dame), 2014. Since 2019.

ANDREW O. FORT, *Green Emeritus Tutor*. B.A. (Amherst College), 1974; Ph.D. (University of Pennsylvania), 1982. Since 1982.

ABEL R. GOMEZ, *Assistant Professor*. B.A. (San Francisco State University), 2013; M.A. (University of Missouri, Columbia), 2015; M.Phil. (Syracuse University), 2018; Ph.D. (Ibid.), 2021. Since 2022.

SHARI C. MACKINSON, *Assistant Professor*. B.S. (Howard University), 2003; MSW and MPH (University of Michigan), 2005; MDiv. (Emory University), 2016; Ph.D. (Ibid.), anticipated 2022. Since 2022.

DAVID P. MOESSNER, *Professor and A. A. Bradford Chair in Religion*. B.A. Princeton University, 1971; M. Div. (Ibid.), 1975; M.A. Oxford University (1980); Dr. Theol. 1983 (University of Basel), Since 2012.

SANTIAGO O. PIÑÓN, *Associate Professor*. B.A. (Southwestern Assemblies of God University), 1993; M.Div. (University of Chicago), 2001; M.A. (Abilene Christian University), 2003; Ph.D. (University of Chicago), 2012. Since 2011.

JAN JAYNES QUESADA, *Senior Instructor*. B.A. (University of North Carolina), 1984; M.A. (Baylor University), 1990; Ph.D. (Ibid.), 1996. Since 1999.

SAMUEL J. ROSS, *Assistant Professor*. B.A. (University of Virginia), 2002; M. A. (Yale University), 2014; Ph.D. (Ibid.), 2017. Since 2017.

YUSHAU SODIQ, *Professor*. B.A. (Islamic University, Medina, Saudi Arabia), 1976; M.A. (Ibid.), 1980; M.A. (Temple University), 1988; Ph.D. (Ibid.), 1991. Since 1992.

GRACE VARGAS, *Assistant Professor*. B.A. (Rutgers, The State University of New Jersey), 2005; M. Div., (Princeton Theological Seminary), 2014; Ph.D. (Southern Methodist University), 2020. Since 2021.

## Sociology and Anthropology

DAVID AFTANDILIAN, *Associate Professor*. B.A. (Cornell University), 1990; M.A. (University of Chicago), 1995; Ph.D. (Ibid.), 2007.

EDGAR CAMPOS, *Assistant Professor*. B.A. (California State University Sacramento), 2015; M.A. (University of Minnesota, Twin Cities), 2019; Ph.D. (Ibid), 2019. Since 2022.

JEANNINE GAILEY, *Professor*. B.S. (Mount Union College), 2000; M.A. (University of Akron), 2002; Ph.D. (Ibid.), 2005. Since 2005.

MIGUEL C. LEATHAM, *Senior Instructor*. B.A. (University of New Mexico), 1983; M.A. (Ibid.), 1988; Ph.D. (Ibid.), 1993; M.S.L.S. (University of North Texas), 2005. Since 2000.

DAVID P. SANDELL, *Associate Professor*. B.A. (Lewis and Clark College), 1987; M.A. (University of Southern California), 1993; M.A. (University of Texas at Austin), 1998; Ph.D. (Ibid.), 2004. Since 2006.

SHAN SIDDIQUI, *Assistant Professor*. B.A. (University of Texas at Austin), 2015; M.O.T. (University of Texas, Medical Branch at Galveston), 2017; M.A. (University of Texas at Austin), 2019; Ph.D. (Ibid), 2022. Since 2022.

ANGELA L. THOMPSON, *Senior Instructor*. B.A. (Wellesley College), 1988; M.A. (Brandeis University), 1993; Ph.D. (Ibid.), 1998. Since 1998.

CAROL THOMPSON, *Professor and Chair of the Department*. B.A. (Louisiana State University), 1983; M.A. (Ibid.), 1985; Ph.D. (Ibid.), 1988. Since 1992.

LISA K. VANDERLINDEN, *Associate Professor*. B.A. (Concordia University), 1992; M.Phil. (Rutgers University), 1998. Since 2002.

KEITH WHITWORTH, *Instructor II*. B.A. (Oauchita Baptist University), 1983; M.A. (Southwest Baptist University), 1993; Ph.D. (University of North Texas), 2006. Since 2000.

AMINA ZARRUGH, *Associate Professor*. B.A. (University of Texas at Austin), 2008; M.A., (Ibid) 2011; Ph.D. (Ibid), 2016. Since 2016.

## Spanish and Hispanic Studies

FRANCIS KOMLA AGGOR, *Professor*. 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.

TATIANA ARGÜELLO VARGAS, *Associate Professor*. B.A. (Universidad Americana-Nicaragua), 2002; M.A. Spanish (Ohio University), 2010; M.A. Latin American Studies (Ohio University), 2010; Ph.D., (University of Pittsburgh); 2015. Since 2017.

REGAN BOXWELL, *Instructor II*. B.A. (Texas Christian University), 2000; M.A. (University of Virginia), 2004; M.A. (University of Texas at Austin), 2006; Ph.D. (Ibid.), 2013. Since 2011.

MARIA DEL PUY CIRIZA- **LOPE**, *Associate Professor*, B.A. (Deusto University, Spain), 2000; M.A. (University of Illinois at Urbana-Champaign), 2003; Ph.D. (Ibid.), 2009. Since 2016.

DIANNE R. HOBBS, *Instructor II*. B.A. (University of Texas at Arlington), 1981; M.A. (Ibid.), 1985; Ph.D. (University of Texas at Austin), 1990. Since 2001.

SOHYUN LEE, *Associate Professor and Chair of the Department*. B.A. (Seoul National University), 1994; M.A. (Ibid.), 1998; Ph.D. (University of Arizona), 2009. Since 2009.

KAREN R. MARTIN, *Instructor*. B.A. (Texas Christian University), 1991; M.A. (University of Texas at Arlington), 1997. Since 2000.

JUAN MORILLA ROMERO, *Instructor*. B.A. (University de Seville, Spain), 2003; M.A. (Texas Tech University), 2016; Ph.D. (Indiana University Bloomington), 2022. Since 2023.

IRINA V. MOZULIOVA, *Instructor*. B.A. (University of St. Petersburg, Russia), 1992; M.A. (Louisiana State University), 2005; M.Ed (Texas Christian University), 2007. Since 2020.

KARLA O'DONALD, *Senior Instructor*. B.A. (University of Texas at Arlington), 1997; M.A. (Ibid.), 2002. Since 2004.

STEVEN P. SLOAN, *Associate Professor*. B.A. (University of Nevada, Reno), 1993; M.A. (University of Iowa), 1996; Ph.D. (Tulane University), 2003. Since 2003.

RYAN T. SCHMITZ, *Associate Professor*. B.A. (Moorhead State University), 1998; M.A. (University of Texas at Austin), 2004; Ph.D. (Ibid.), 2009. Since 2009.

ESTER DE REZENDE TEIXEIRA, *Associate Professor*. B.A. (Federal University of Minas Gerais, Brazil), 2004; M.A. (Purdue University) 2010; Ph.D. (Purdue University), 2017. Since 2017.

SONJA STEPHENSON WATSON, *Professor and Dean*. B.A. (College of William & Mary), 1995; Ph.D. (University of Tennessee), 2005. Since 2020.

## Women & Gender Studies

HANAN HAMMAD, *Professor of History and Chair, Women & Gender Studies*. B.A. (Cairo University), 1989; M.A. (University of Texas at Austin), 2004; Ph.D (Ibid) 2009. Since 2009.

CRYSTAL A. JACKSON, *Associate Professor of Women & Gender Studies*. B.A. (University of Nevada-Las Vegas), 2003; Graduate Certificate (Ibid), 2009; M.A. (Ibid), 2007; Ph.D. (Ibid), 2013. Since 2022.

RANDA TAWIL, *Assistant Professor of Women & Gender Studies*. B.A. (Wesleyan University), 2009; M.A. (Yale University), 2016; Ph.D. (Yale University), 2020.

NINO TESTA, *Associate Professor of Professional Practice of Women & Gender Studies*. B.A. (Miami University), 2006; M.A. (Tufts University), 2011; Ph.D. (Ibid.), 2013. Since 2017.

## Harris College of Nursing & Health Sciences Directory

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Lynn Flahive, *Associate Dean for Health Sciences*

Suzy Lockwood, *Associate Dean for Nursing & Nurse Anesthesia*

Emily Lund, *Associate Dean for Research*

Lynn Jackson, *Assistant Dean for Strategic Initiatives*

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June Seely, *Assistant to the Dean*

## Davies School of Communication Sciences & Disorders

DANIELLE M. BRIMO, *Associate Professor*. B.S. (Florida State University), 2004; M.A. (Ibid.), 2006; Ph.D. (Ibid.), 2012. Since 2012.

TRACY BURGER, *Assistant Professor of Professional Practice*. B.S. (University of North Texas), 1994; M.S.-SLP (Ibid.), 1998; M.S., Audiology (Ibid.), 2000. Since 2015.

ANTHONY DiLOLLO, *Professor and Director of Davies School of Communication Sciences & Disorders*. B.S. (University of Western Australia) 1986; M.S. (University of Mississippi), 1996; Ph.D. (University of Memphis), 2001. Since 2020.

TERESA DRULIA, *Assistant Professor*. B.S. (James Madison University), 1993; M.S. (Ibid), 1994; Ph.D. (Ibid), 2016. Since 2017.

LYNN K. FLAHIWE, *Assistant Professor, Director of Miller Speech & Hearing Clinic, and Associate Dean for Health Sciences*. B.S. (Marquette University), 1977; M.S. (Ibid.), 1978. Since 1991.

TERESA DENNETT GONZALEZ, *Assistant Professor of Professional Practice*. B.S. (Texas Woman's University), 1976; M.S. (Ibid.), 1985. Since 1992.

KAREN HENNINGTON, *Assistant Professor of Professional Practice*. B.S. (Texas Christian University), 1996; M.S. (Ibid.), 1998. Since 2014.

EMILY LUND, *Associate Professor and Associate Dean for Research, Harris College*. B.A. (Vanderbilt University), 2006; M.S. (Vanderbilt University School of Medicine), 2008; Ph.D. (Vanderbilt University School of Medicine), 2013. Since 2014.

LAUREL T LYNCH, *Assistant Professor of Professional Practice*. B.S. (Baylor University), 1983; M.S. (Texas Christian University), 1984. Since 2012.

IRMGARD PAYNE, *Assistant Professor of Professional Practice*. B.A. (University of Texas, Arlington), 1986; M.S. (Texas Christian University), 1994. Since 2003.

JEAN F. RIVERA PEREZ, *Associate Professor*. B.A. (Universidad de Puerto Rico en Humacao), 2004; M.S. (Universidad del Turabo, Gurabo, Puerto Rico), 2009; Ph.D. (University of Cincinnati), 2016. Since 2017.

AHMED RIVERA-CAMPOS, *Assistant Professor*. B.A. (Universidad de Puerto Rico Recinto de Humacao), 2005; M.S. (Universidad del Turabo, Gurabo, Puerto Rico), 2009; Ph.D. (University of Cincinnati), 2016. Since 2017.

JENNIFER BARBER WATSON, *Professor*. B.S. (Northern Arizona University), 1976; M.A. (Northwestern University), 1979; Ph.D. (Ibid.), 1981. Since 1982.

CHRISTOPHER WATTS, *Professor and Marilyn & Morgan Davies Dean Harris College of Nursing & Health Sciences*. B.S. (University of South Alabama), 1994; Ph.D. (Ibid.), 1998. Since 2008.

LYNITA A. YARBROUGH, *Assistant Professor of Professional Practice*. B.S. (Texas Christian University), 1994; M.S. (Ibid.), 1996. Since 2012.

## Kinesiology

JOSHUA C. CARR, *Assistant Professor*. B.S. (University of Oklahoma), 2013; M.S. (Ibid), 2015; Ph.D. (Ibid), 2019. Since 2020.

ASHLYNE ELLIOTT, *Assistant Professor of Professional Practice*. B.S. (University of Houston), 2015; M.S. (Ibid), 2017; Ph.D. (Baylor University), 2021. Since 2022.

PHIL ESPOSITO, *Associate Professor of Professional Practice and Director, Undergraduate Program*. B.S. (Truman State University), 2005; M.S. (Missouri State University at Springfield), 2008; Ph.D. (University of Michigan, Ann Arbor), 2012. Since 2012.

MELISSA JENSEN, *Assistant Professor of Professional Practice*. B.S. (Utah State University), 1998; M.S. (California State University), 2006; Ph.D. (Oklahoma State University), 2022. Since 2022.

STEPHANIE JEVAS, *Professor of Professional Practice and Program Director, Athletic Training Program*. B.S. (Texas A&M University), 1993; M.A. (Western Michigan University), 1994; Ph.D. (University of Houston), 2004. Since 2012.

ADAM KING, *Associate Professor*. B.A. (Concordia), 1998; M.S. (University of Pennsylvania), 2008; Ph.D. (Ibid), 2013. Since 2016.

RYAN R. PORTER, *Assistant Professor*. B.S. (Brigham Young University), 2008; M.S. (Utah State University), 2012; Ph.D. (University of South Carolina), 2018. Since 2020.

DEBORAH J. RHEA, *Professor*. B.S. (University of Texas, Arlington), 1980; M.Ed. (University of Houston) 1990; Ed.D. (Ibid), 1995. Since 1999.

MEENA SHAH; *Professor, Director, Graduate Program*. B.Sc. (Robert Gordon's Institute of Technology), 1982; Ph.D. (University of London, London England), 1986. Since 2001.

ROBYN B. TROCCHIO, *Associate Professor*. B.S. (University of Florida), 2007; M.S. (Barry University), 2009; Ph.D. (Florida State University), 2013. Since 2019.

PETER WEYAND, *Professor, Chair of the Department of Kinesiology*. B.A. (Bates College), 1983; M.S. (Bridgewater State College), 1988; Ph.D. (University of Georgia), 1992. Since 2023.

KRISTINA WHITE, *Assistant Professor of Professional Practice and Clinical Coordinator of Athletic Training*. B.S. (University of Miami), 2013; M.S. (Baylor University), 2015; Ph.D. (Ibid), 2019. Since 2022.

## Nursing

LAVONNE ADAMS, *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.

GINA K. ALEXANDER, *Professor*. B.S.N. (Oklahoma Baptist University), 1998; M.S. Public Health (University of North Carolina at Chapel Hill), 2003; M.S.N. (University of Virginia at Charlottesville), 2008; Ph.D. (Ibid.), 2009. Since 2010.

KATHY BAKER, *Professor*. 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.

LATASHA BAKER, *Assistant Professor of Professional Practice*. B.S.N. (Texas Christian University), 2007; M.S.N. Psych-Mental Health Nurse Practitioner (University of Texas at Arlington), 2016; D.N.P. (Texas Christian University), 2021. Since 2021.

DOT BARTELL, *Assistant Professor of Professional Practice and Clinical Placement Coordinator*. B.S. (Frostburg State University), 1991; M.A.T. (University of South Carolina), 1994; B.S.N. (Texas Christian University), 2011; M.S.N. (Ibid), 2016. Since 2016.

LORI BORCHERS, *Assistant Professor*. B.S.N. (University of Kansas), 1991; M.S.N. (Georgia State University), 1997; Ph.D. (Texas Christian University), 2021. Since 2014.

VICKI BROOKS, *Assistant Professor of Professional Practice; Director, Advanced Practice Registered Nurse Programs; and Coordinator, Family Nurse Practitioner Program*. B.S.N. (Texas Christian University), 1994; M.S.N. (University of Texas at Arlington), 2002; D.N.P. (Texas Woman's University), 2016; Family Nurse Practitioner. Since 2018.

SHARON CANCLINI, *Assistant Professor of Professional Practice*. 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.

GLENDA DANIELS, *Professor*. B.S.N. (University of Texas), 1975; M.S.N. (Texas Woman's University), 1994; Ph.D. (University of Texas at Arlington), 2009. Since 2009.

CAITLIN KIESTER DODD, *Assistant Professor of Professional Practice and Assessment and Evaluation Coordinator*. B.S.N. (Texas Christian University), 2005; M.S.N. (Ibid.), 2010; D.N.P. (Abilene Christian University), 2020. Since 2010.

SUSAN FIFE, *Associate Professor of Professional Practice*. B.S.N. (Texas Christian University), 1991; M.S.N. (State University of New York at Stony Brook), 1997; D.N.P. (Frontier Nursing University), 2018; Certificate of Nurse-Midwifery (Parkland School of Nurse-Midwifery), 1995. Since 2014.

SHELLEY FORD, *Assistant Professor of Professional Practice*. B.S.N. (University of Mary-Hardin-Baylor), 2001; M.S.N. (Walden University), 2011; D.N.P. (American Sentinel University), 2020. Since 2021.

PAMELA JEAN FRABLE, *Associate Professor*. A.B. (University of Chicago), 1976; N.D. (Case Western Reserve University), 1982. Since 2000.

ASHLEY FRANKLIN, *Associate Professor; and Polly & Tex Rankin Endowed Professor of Nursing*. B.S.N. (Texas Christian University), 2003; M.S.N. (Ibid), 2010; Ph.D. (Oregon Health and Science University), 2014. Since 2014.

ABBIE GARCIA, *Assistant Professor of Professional Practice*. B.S.N. (The University of Texas at Arlington), 2010; M.S.N. (Waldon University), 2018. Since 2022.

JEN GASSETT, *Assistant Professor of Professional Practice*. B.S. Biology (Tarleton State University), 2000; B.S.N. (Texas Christian University), 2012; M.S.N. (Texas Woman's University), 2021. Since 2022.

SHEILA GRIFFIN, *Assistant Professor of Professional Practice*. B.S.N. (Texas Christian University), 1985; M.S.N. (University of Texas at Arlington), 1990. Since 2012.

KIRSTIN GUINN, *Assistant Professor of Professional Practice*. B.S.N. (Tarleton State University), 2009; M.S.N. (Texas Woman's University, Dallas), 2015. Since 2017.

TRACY HICKS, *Assistant Professor of Professional Practice and Coordinator, Psychiatric Mental Health Nurse Practitioner Program*. A.D.N. (Kilgore Junior College), 2004; B.S.N. (University of Texas at Tyler), 2010; M.S.N. Family Nurse Practitioner (University of Texas at Arlington), 2013; M.S.N. Psych-Mental Health Nurse Practitioner (Ibid.) 2015; D.N.P. (Frontier Nursing University), 2017. Since 2020.

MAGGIE HIGGINS, *Assistant Professor of Professional Practice*. B.S.N. (University of Texas at Arlington), 2009; M.S.N. (Capella University), 2018. Since 2022.

CAROL HOWE, *Associate Professor; Director, Nursing Research & Scholarship; and Paula R. and Ronald C. Parker Endowed Professor of Nursing*. B.A. (University of Pennsylvania), 1983; B.S.N. (Ibid), 1985; M.S.N. (Ibid), 1988; Ph.D. (University of Texas at Arlington), 2014. Since 2014.

LYNNETTE HOWINGTON, *Associate Professor of Professional Practice, and Director, Undergraduate Nursing*. B.S.N. (Texas Christian University), 1994; M.S.N. (Old Dominion University), 2003. D.N.P. (Texas Christian University), 2011. Women's Health Nurse Practitioner. Since 2007.

LINDA HUMPHRIES, *Assistant Professor of Professional Practice; Coordinator, Clinical Nurse Specialist Program; and Director of Center for Collaborative Practice*. B.S.N. (University of Texas at Arlington), 1980; M.S.N. (Texas Christian University), 2004; D.N.P. (Ibid), 2014. Clinical Nurse Specialist in Medical-Surgical Nursing. Since 2014.

OTEKA JACKSON-CENALES, *Assistant Professor of Professional Practice*. B.S.N. (East Texas Baptist University), 2007; M.S.N. (Loyola University), 2012; D.N.P. (Walden University), 2018. Since 2018.

ANN JOHNSON, *Associate Professor*. B.S.N. (Houston Baptist University), 1984; M.S.N. (University of Alabama School of Nursing), 1991; Ph.D. (University of Alabama at Birmingham), 2016. Since 2017.

MICHELLE KIMZEY, *Associate Professor*. B.S. (Baylor University), 1991; M.S. (Texas Woman's University), 2010; Ph.D. (University of Texas), 2014. Since 2017.

SUZY LOCKWOOD, *Professor, Associate Dean for Nursing & Nurse Anesthesia, and Director of Center for Oncology Education and Research*. B.S.N. (Texas Christian University), 1983; M.S.N. (University of Texas at Arlington), 1994; Ph.D. (Ibid.), 2001. Since 1997.

MIRIAM MARSHALL, *Assistant Professor of Professional Practice*. Diploma in Nursing (Providence School of Nursing, Mobile), 1980; B.S.N. (Drexel University, Philadelphia), 2009; M.S.N. (Ibid.), 2012. Since 2013.

BEKKI MCKINTOSH, *Assistant Professor of Professional Practice*. A.A.S.N. (Tarrant County College), 1991; B.S.N. (Texas Woman's University), 1998; M.S.N. (The University of Texas at Arlington), 2002; D.N.P. (Texas Christian University), 2017. Since 2022.

ANGELA NJENGA, *Assistant Professor*. B.S.N. (The University of Nairobi, Kenya), 2005; M.S. Health Care Administration (Stevens-Henager College), 2009; Ph.D. (University of Utah), 2018. Since 2018.

JODI PATTERSON, *Assistant Professor*. B.S.N. (University of Virginia), 1991; M.S.N. (Louisiana State University Medical Center), 1998; Ph.D. (University of Texas at Tyler), 2018. Since 2019.

KIMBERLY POSEY, *Associate Professor of Professional Practice; and Director, Graduate Nursing*. B.S.N. (Texas Woman's University), 1997; M.S.N. (University of Texas at Arlington), 2000; D.N.P. (Texas Christian University), 2013; Adult and Geriatric Nurse Practitioner. Since 2016.

LISA RINKE, *Assistant Professor of Professional Practice*. A.D.N. (Macomb Community College), 1983; B.S.N. (University of Michigan), 1987; M.S.N. (University of Detroit Mercy), 2014; D.N.P. (Western Kentucky University), 2016. Since 2022.

JANIE RANEL ROBINSON, *Professor*. B.S.N. (Southern University and A&M College at Baton Rouge), 1996; M.S.N. (Ibid.), 2002; Ph.D. (Ibid.), 2009. Since 2009.

BETH ROGERS, *Assistant Professor*. B.S.N. (Texas Christian University), 2001; M.S.N. (Ibid), 2015; Ph.D. (Ibid), 2021. Since 2022.

SARAH LIBBY ROSONET, *Assistant Professor of Professional Practice*. B.A.H. (Berry College), 2005; M.S.N. (Augusta University), 2012; D.N.P. (Quinnipiac University), 2020. Since 2022.

ELIZABETH RYAN, *Assistant Professor of Professional Practice*. A.S.N. (Carrington College, Phoenix, AZ), 2011; B.S.N. (Grand Canyon University), 2013; M.S.N. (Grand Canyon University), 2017. Since 2022.

LISETTE SALEH, *Assistant Professor*. B.S. Psychology (Texas Christian University), 2002; A.D.N. (Tarrant County College), 2005; B.S.N. (Texas Christian University), 2008; M.S.N. (Texas Woman's University), 2012; Ph.D. (University of Texas at Tyler), 2017; Certified Inpatient Obstetric Nurse. Since 2012.

ASHLIE SEALE, *Assistant Professor of Professional Practice*. A.A.A. (Tarrant County College), 2010; B.S.N. (Texas Christian University), 2012; M.S.N. (Ibid.), 2016. Since 2016.

LAURA THIELKE, *Assistant Professor of Professional Practice; and Director, Health Professions Learning Center*. B.S.N. (Valparaiso University at Indiana), 1980; M.S.N. (Texas Woman's University), 1988. Since 2009.

MEGHAN TRAHANT, *Assistant Professor of Professional Practice*. B.S.N. (Texas Christian University), 1998; M.S.N. Adult Clinical Nurse Specialist (Ibid.), 2005. Since 2021.

DANIELLE WALKER, *Associate Professor*. B.S.N. (Texas Christian University), 2003; M.S.N. (Texas Woman's University), 2009. Ph.D. (University of Texas Medical Branch-Galveston), 2015. Since 2009.

JODIE WEATHERLY, *Associate Professor of Professional Practice*. B.S.N. (West Texas A&M University), 1993; M.S.N. (Ibid.), 2005; D.N.P. (American Sentinel University), 2021. Since 2007.

SUSAN MACE WEEKS, *Professor, Vice Provost for Academic Affairs, TCU, and Executive Director, Health Innovation Institute at TCU*. 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.

LEIGH ANNE WHEELER, *Assistant Professor of Professional Practice*. L.V.N. (Baptist School of Nursing), 2007; A.D.N. (Carrington College), 2009; B.S.N. (University of Texas at Arlington), 2015; M.S.N. (Ibid.), 2017; D.N.P. (Grand Canyon University), 2021. Since 2022.

TAMMIE WILLIAMS, *Assistant Professor of Professional Practice*. B.S.N. (University of Detroit Mercy), 1997; M.S. Health Care Education (Ibid.), 2000; M.S.N. Family Nurse Practitioner (University of Michigan), 2011; D.N.P. (Texas Christian University), 2021. Since 2021.

LESLIE ZIMPELMAN, *Assistant Professor of Professional Practice*. B.S. (Wake Forest University), 2003; B.S.N. (Texas Christian University), 2005; M.S.N. (Walden University), 2013. Since 2014.

## Social Work

SH'NIQUA ALFORD, *Assistant Professor of Professional Practice and Director, BSW Program*. B.S.S.W. (Texas Christian University), 2005; M.S.W. (University of Texas at Arlington), 2014. Since 2018.

NADA ELIAS-LAMBERT, *Associate Professor and Chair of Department of Social Work*. B.A. (University of Texas at Austin), 2001; M.S.W. (University of Texas at Arlington), 2004; Ph.D. (Ibid.), 2013. Since 2013.

D. LYNN JACKSON, *Professor of Professional Practice and Director of Field Education, and Assistant Dean for Strategic Initiatives, Harris College*. B.S.W. (University of South Florida), 1979; M.S.W. (Florida State University), 1989; Ph.D. (Ibid.), 2005. Since 2013.

AESHA JOHN, *Associate Professor*. B.A. (Gujarat University), 1992; M.S.W. (Maharaja Sayajirao University), 1995; Ph.D. (Oklahoma State University), 2011. Since 2015.

KATIE LAUVE-MOON, *Associate Professor*. B.S. (Louisiana Tech University), 2007; M.S.W. (Baylor School of Social Work), 2010; M.Div. (George W. Truett Theological Seminary), 2011; Ph.D. (Tulane University), 2017. Since 2017.

ASHLEY PALMER, *Assistant Professor*. B.S. (Washburn University), 2007; M.S.W. (Ibid.), 2008; Ph.D. (University of Kansas), 2019. Since 2022.

TENISHA POLK-POTTS, *Assistant Professor of Professional Practice*. B.A. (University of North Texas), 2010; M.S.S.W. (University of Texas at Arlington), 2012. Since 2022.

MARY TWIS, *Assistant Professor and Director, MSW Program*. B.S.S.W. (Texas State University), 2007; M.S.W. (University of Texas at Arlington), 2010; Ph.D. (Ibid.), 2018. Since 2018.

TEE TYLER, *Associate Professor*. B.S.W. (Brigham Young University), 2006; M.S.W. (University of Utah, 2008; Ph.D. (The University of Texas at Austin), 2016. Since 2016.

## College of Science & Engineering Directory

Michael B. Kruger, *Dean*

J. Richard Rinewalt, *Associate Dean for Undergraduate Studies*

Timothy Barth, *Associate Dean for Graduate Programs*

Valerie Springer, *Director of Degree Certification*

Christina Cowley, *Assistant to the Dean*

## Biology

GIRIDHAR R. AKKARAJU, *Professor*. B.S. (University of Bombay, India), 1985; Ph.D. University of Pittsburgh School of Medicine), 1997. Since 2002.

MATTHEW CHUMCHAL, *Professor and Director of the Pre-Health Professions Institute*. B.S. (Southwestern University), 2001; M.S. (Texas Christian University), 2003; Ph.D. (University of Oklahoma), 2007. Since 2007.

MICHAEL CHUMLEY, *Professor*. B.S. (University of Wyoming), 1987; M.S. (Ibid.), 1994; Ph.D. (University of Colorado Health Sciences Center), 2000. Since 2008.

MOLLI CRENSHAW, *Instructor II*. B.S. (Texas A&M University), 2005; M.S. (Texas Christian University), 2009. Since 2012.

MEREDITH CURTIS, *Instructor II and Associate Director of Pre-Health Professions Institute*. B.A. (Baylor), 2001; Ph.D. (University of Washington), 2009. Since 2015.

MARK DEMAREST, *Instructor II*. B.S. (California State), 1997; M.S. (California Polytechnic), 2000; Ph.D. (University of California), 2009. Since 2015.

SOPHIA GARCIA, *Instructor II*. B.A. (Texas A&M University), 2003; M.A.I.S. (University of Texas at Arlington), 2005; Ph.D. (Texas Woman's University), 2015. Since 2019.

MATTHEW M. HALE, *Associate Professor*. B.Sc. (Roehampton University), 2001; M.Sc. (Imperial College), 2002; Ph.D. (University of Sheffield), 2007. Since 2014.

JING JIAO, *Assistant Professor*. B.S. (East China Normal University), 2008; M.S. (Ibid.), 2011; Ph.D. (University of Florida), 2017. Since 2023.

MARLO JEFFRIES, *Associate Professor and Chair of the Department*. B.S. University of Nebraska at Omaha, M.S. (Ibid.), 2005; Ph.D. University of Nebraska Medical Center, 2010. Since 2013.

CLARK A. JONES, *Senior Instructor*. B.S. (Texas Christian University), 1989; M.S. (Ibid.), 1992; Ph.D. (Southern Methodist University), 1997. Since 2008.

ASHLEY LAKODUK, *Instructor I*. B.S. (University of California-San Diego, 2008; M.S. (Ibid.), 2012; Ph.D. (University of Texas Southwestern Medical Center), 2019. Since 2022.

LAURA LUQUE, *Instructor II*. B.S. (Florida International University), 1996; M.S. (University of Texas, Dallas), 2001; Ph.D. (University of Texas, Dallas), 2005. Since 2015.

SHAUNA M. MCGILLIVRAY, *Professor, Associate Director Pre-Health Professions Institute, and Associate Chair of the Department*. B.A. (Concordia College), 1999; Ph.D. (University of California-San Diego), 2006. Since 2009.

MIKE MISAMORE, *Associate Professor*. B.S. (University of Wisconsin), 1989; M.S. (College of Charleston, S.C.), 1993; Ph.D. (Louisiana State University), 1998. Since 2003.

MICHAEL SAWEY, *Senior Instructor*. B.S. (Texas Wesleyan University), 1994; M.S. (Texas Christian University), 2008. Since 2008.

MIKAELA STEWART, *Assistant Professor*. B.S. (University of Central Arkansas), 2007; Ph.D. (Texas A&M University), 2013. Since 2017.

STEPHANIE WALLACE, *Instructor II*. B.S. (University of Texas at Arlington), 2006; M.S. (Texas Christian University), 2009; Since 2013.

DEAN WILLIAMS, *Professor*. B.A. (Coe College), 1988; M.S. (University of Alabama at Huntsville), 1991; Ph.D. (Purdue University), 2000. Since 2007.

FLOYD L. WORMLEY JR, *Professor and Associate Provost for Research and Dean of Graduate Studies*. B.S. (Tulane University), 1995; M.S. (Louisiana State University Health Sciences Center, New Orleans), 1998; Ph.D. (Ibid.), 2001. Since 2019.

**Chemistry & Biochemistry**

ONOFRIO ANNUNZIATA, *Professor*. M.S. (University of Naples), 1997; Ph.D. (Texas Christian University), 2001. Since 2004.

JEFFERY L. COFFER, *Professor*. B.S. (Wofford College), 1982; M.S. (University of Wisconsin-Milwaukee), 1985; Ph.D. (Ibid.), 1987. Since 1990.

HEIDI A. CONRAD, *Instructor I*. B.S. (University of Wisconsin at River Falls), 2004; Ph.D. (University of North Texas), 2013. Since 2022.

SERGEI V. DZYUBA, *Professor*. Diploma in Chemistry (Odessa State University), 1998; Ph.D. (Texas Tech University), 2002. Since 2006.

JULIE A. FRY, *Instructor II*. B.A. (Rice University), 1989; Ph.D. (Texas Christian University), 2011. Since 2009.

KAYLA N. GREEN, *Professor*. B.S. (Tarleton State University), 2003; Ph.D. (Texas A&M University), 2007. Since 2010.

BENJAMIN JANESKO, *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 at Austin), 1974. Since 1980.

JEAN-LUC G. MONTCHAMP, *Professor*. Diploma of Engineering in Chemistry (School of Industrial Chemistry, France), 1989; Ph.D. (Purdue University), 1992. Since 1998.

YOUGHUA RYU, *Associate Professor*. B.S. (Pohang University of Science and Technology, Korea), 1991; M.S. (Ibid.), 1993; Ph.D. (Texas A&M University), 2004. Since 2007.

BEN SHERMAN, *Assistant Professor*. B.S. (University of Michigan), 2008; Ph.D. (Arizona State University), 2013. Since 2017.

ERIC E. SIMANEK, *Robert A. Welch Professor of Chemistry and Chair of the Department*. B.S. (University of Illinois), 1991; Ph.D. (Harvard University), 1996. Since 2010.

**Computer Science**

TERESA ABI-NADER DAHLBERG, *Provost and Vice Chancellor for Academic Affairs*. B.S. (University of Pittsburgh), 1984; M.S. (North Carolina State University), 1990; Ph.D. (Ibid.), 1993. Since 2019.

LIRAN MA, *Professor*. B.S.E.E. (Hunan University), 1999; M.S. (Beijing Jiaotong University), 2003; D.Sc. (George Washington University), 2008. Since 2010.

BO MEI, *Assistant Professor*. B.E. (Beijing Institute of Technology), 2010; M.S. (Purdue University), 2011; M.S. (George Washington University), 2013; D.S. (George Washington University), 2018. Since 2018.

J. RICHARD RINEWALT, *Associate Professor and Associate Dean*. B.S.E.E. (University of Texas at Arlington), 1969; M.S.E.E. (Ibid.), 1971; Ph.D. (University of Illinois), 1976. Since 1986.

ANTONIO SANCHEZ-AGUILAR, *Associate Professor*. B.S. (Universidad Iberoamericana), 1975; M.S. (George Washington University), 1977; D.Sc. (Ibid.), 1983. Since 2005.

MICHAEL C. SCHERGER, *Associate Professor Chair of the Department*. B.S. (University of Akron), 1991; B.S. (Ibid.), 1992; M.S. (Kent State University), 1995; Ph.D. (Ibid.), 2005. Since 2012.

BINGYANG WEI, *Associate Professor*. B.E. (Ocean University of China), 2010; Ph.D. (University of Alabama) 2015. Since 2018.

**Engineering**

TERESA ABI-NADER DAHLBERG, *Provost and Associate Vice Chancellor for Academic Affairs*. B.S. (University of Pittsburgh), 1984; M.S. (North Carolina State University), 1990; Ph.D. (Ibid.), 1993. Since 2019.

BECKY B. BITTLE, *Associate Professor of Professional Practice*. B.S. (Oklahoma State University), 1980; M.S. (Purdue University), 1983; Ph.D. (Iowa 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. Professional Engineer-Texas. Since 1994.

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.

CUILING (SUE) GONG, *Professor*. B.S. (Tsinghua University), 1990; M.S., (University of Minnesota), 1993; M. S. (Massachusetts Institute of Technology), 1996; Ph.D. (Ibid.), 1999. Since 2011.

HUBERT (SETH) HALL, *Associate Professor of Professional Practice*. B.S. (Morehead State University), 2000; M.S. (North Carolina University), 2002; Ph.D. (The Catholic University of America), 2017. Since 2022.

JAMES HUFFMAN, *Associate Professor of Professional Practice*. B.S. (Texas A&M University), 1994; M.S. (University of Texas at Dallas), 1997; Ph.D. (Ibid.), 2001. Since 2019.

MORGAN KIANI, *Professor*. B.S. (University of Texas at Arlington), 2005; M.S., (Ibid.), 2006; Ph.D., (Ibid.), 2009. Since 2011.

EFSTATHIOS E. MICHAELIDES, *Moncrief Professor of Engineering*. B.A. (Oxford University, 1977); M.S. (Brown University, 1979); Ph.D. (Ibid.) 1980; M.A. (Oxford University), 1983. Professional Engineer - Texas and Louisiana. Since 2011.

CHERISH QUALLS, *Associate Professor of Professional Practice*. B.S. (Auburn University), 1998; M.S. (Ibid.), 2000; Ph.D. (Ibid.), 2004. Since 2019.

WILLIAM B. ROSE, *Lecturer*, B.B.A. (Texas Tech University), 1976; M.B.A. (University of Dallas), 1983; Ph.D. (University of North Texas), 1988. Since 2006.

TRISTAN J. TAYAG, *Professor*. B.S.E.E. (Johns Hopkins University), 1986; M.S.E.E. (Ibid.); 1987; Ph.D. (University of Virginia), 1991. Since 1997.

R. STEPHEN WEIS, *Professor and Chair of the Department*. 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.

**Environmental Science**

VICTORIA J. BENNETT, *Associate Professor*. B.S. (University of Leeds), 1997; M.S. (Ibid.), 1998; Ph.D. (Ibid.), 2004. Since 2013.

MICHELE L. BIRMINGHAM, *Assistant Professor of Professional Practice*. B.S. (Texas Christian University), 2003; M.S. (Ibid.), 2005. Since 2023.

GEHENDRA KHAREL, *Assistant Professor*. B.S. (University of Nebraska), 2007; M.S. (University of Texas at Arlington), 2010; Ph.D. (University of North Dakota), 2015. Since 2019.

BRENDAN LAVY, *Assistant Professor*. B.A. (University of North Texas), 1998; M.S. (Texas State University), 2013; Ph.D. (Texas State University), 2017. Since 2020.

RHIANNON G. MAYNE, *Associate Professor and Curator of the Oscar and Juanita Monnig Meteoritic Collection and Chair of Meteoritics and Planetary Science*. B.S. (Edinburgh University), 2002; Ph.D. (University of Tennessee), 2008. Since 2009.

MICHAEL C. SLATTERY, *Professor, Director of the TCU Institute for Environmental Studies and Chair of the Department*. B.A. (University of the Witwatersrand), 1988; M.S. (University of Toronto), 1990; Ph.D. (Oxford University), 1994. Since 1998.

**Geology**

HELGE ALSLEBEN, *Associate Professor*. B.S. (University of Hamburg), 1996; M.S. (San Jose State University), 2000; Ph.D. (University of Southern California), 2005. Since 2005.

ARTHUR B. BUSBEY, *Associate Professor and Chair of the Department*. B.S. (University of Texas at Austin), 1974; M.A. (Ibid.), 1977; Ph.D. (University of Chicago), 1982. Since 1985.

RICHARD A. DENNE, *Professor of Professional Practice, Hunter Enis Chair of Petroleum Geology and Director of the TCU Energy Institute*. B.S. (University of Iowa), 1985; Ph.D. (Louisiana State University), 1990. Since 2016.

R. NOWELL DONOVAN, *Emeritus Provost, Charles B. Moncrief Professor*. B.Sc. (Newcastle University), 1966; Ph.D. (Ibid.), 1972. Since 1986.

ESAYAS GEBREMICHAEL, *Assistant Professor*. B.S. (Addis Ababa University) 2000; M.S. (Ibid.), 2005; Ph.D. (Western Michigan University), 2018. Since 2019.

RICHARD E. HANSON, *Herndon Professor*. B.S. (Oklahoma State University), 1975; M.S. (Ibid.), 1977; Ph.D. (Columbia University), 1983. Since 1988.

OMAR T. HARVEY, *Associate Professor*. B.S. (University of the West Indies), 2001; M.S. (University of Florida), 2004; Ph.D. (Texas A&M University), 2010. Since 2015.

JOHN HOLBROOK, *Professor*. B.S. (University of Kentucky), 1985, M.S. (University of New Mexico), 1992, Ph.D. (Indiana University), 1988. Since 2011.



XIANGYANG (CHEYENNE) XIE, *Associate Professor*. B.S. (Lanzhou University, China), 1998; M.S. (Northwest University, China), 2001; Ph.D. (University of Wyoming), 2007. Since 2013.

## Mathematics

JOSÉ R. CARRIÓN, *Associate Professor*. B.S. (University of Puerto Rico), 2004; Ph.D. (Purdue University), 2013. Since 2015.

ZE-LI DOU, *Associate Professor*. B.A. (City University of New York, Queens College), 1987; Ph.D. (Princeton University), 1993. Since 1994.

GREG FRIEDMAN, *Professor and Chair of the Department*. 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.

EMILY HERZIG, *Instructor I*. B.A. (University of Texas at Dallas), 2008; M.S. (University of Texas at Dallas), 2010. Since 2016.

DENNIS LEDIS, *Instructor II*. B.S. (Florida International University), 2003; M.S. (University of Florida), 2007; Ph.D. (Ibid.), 2011. Since 2014.

EUN HYE LEE, *Assistant Professor*. B.S. (Ewha Womans University, Seoul), 2011; M.S. (Ewha Womans University Seoul), 2013; Ph.D. (University of Illinois at Chicago), 2019. Since 2023.

SCOTT NOLLET, *Professor*. B.S. (University of Minnesota), 1985; Ph.D. (University of California, Berkeley), 1994. Since 2000.

ALLISON C. OWEN, *Senior 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.

CORNELIS J. POTGIETER, *Associate Professor*. B.Sc. (Rand Afrikaans University), 2004; B.Sc. (University of Johannesburg), 2005; B.Sc. (Ibid.), 2007; Ph.D. (Ibid.), 2009. Since 2019.

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 RITBY, *Instructor I*. B.A. and B.S. (Texas Christian University), 1997; M.S. (University of Texas-Arlington) 2000. Since 2002.

TRAVIS RUSSELL, *Assistant Professor*. B.S. (Stephen F. Austin State University), 2009; M.S. (University of Texas at Tyler), 2011; Ph.D. (University of Nebraska, Lincoln), 2017. Since 2023.

LOREN SPICE, *Associate 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.

DEREK TOMLIN, *Instructor I*. B.A. (Texas A&M University), 2011; Ph.D. (University of Texas Arlington), 2018. Since 2020.

DREW TOMLIN, *Instructor I*. B.A. (Hendrix College), 2010; M.S. (University of North Texas), 2012; Ph.D. (Ibid.), 2016. Since 2017.

QIAO ZHANG, *Associate Professor*. B.S. (Shandong University), 1996; M.S. (Ibid.), 1998; Ph.D. (Columbia University), 2003. Since 2008.

## Nutritional Sciences

SAMANTHA DAVIS, *Associate Professor of Professional Practice*. B.S. (University of Wisconsin), 1988; M.S. (Texas Woman's University), 1992. Since 2013.

REBECCA DORITY, *Associate Professor of Professional Practice*. B.S. (University of Maine), 1999; M.S. (Tufts University) 2001. Since 2007.

KELLY FISHER, *Assistant Professor of Professional Practice*. B.S. (Texas Christian University), 2006; M.S. (University of Nebraska at Lincoln), 2008; D.C.N. (Rutgers University), 2020. Since 2020.

GINA J. HILL, *Associate Professor and Chair of the Department*. B.S. (Texas Tech University), 1998; M.S. (Ibid.), 1999; Ph.D. (Ibid.), 2003. Since 2003.

ELISA MORALES MARROQUÍN *Assistant Professor*. B.S. (Universidad Autónoma de Nuevo León), 2013; M.S. (Baylor University), 2015; Ph.D. (Ibid.), 2018. Since 2022.

ANNE D. VANBEBER, *Professor*. B.S. (Texas Tech University), 1979; M.S. (Texas Woman's University), 1982; Ph.D. (Ibid.), 1991. Since 1992.

JADA L. WILLIS, *Associate Professor*. B.S. (Texas A & M University), 2008; M.S. (Texas Tech University) 2011; Ph.D. (Ibid.), 2015. Since 2015.

## Physics and Astronomy

KAT A. BARGER, *Associate Professor*. B.S. (Western Washington University), 2006; M.S. (University of Wisconsin at Madison), 2008; M.A. (Ibid.), 2009; Ph.D. (Ibid.), 2012. Since 2014.

RICHARD BONDE, *Instructor II*. B.S. (Wichita State University), 2012; M.S. (University of Texas at Arlington), 2015; Ph.D. (Ibid.), 2018. Since 2019.

MIA SAUDA BOVILL, *Assistant Professor*. B.S. (University of Maryland), 2004; M.S. (Ibid.) 2006; Ph.D. (Ibid.) 2011. Since 2018.

HANA M. DOBROVOLNY, *Associate Professor*. B.Sc. (University of Winnipeg), 1997; M.A. (Bryn Mawr College), 2000; Ph.D. (Duke University), 2008. Since 2012.

PETER M. FRINCHABOY III, *Professor*. B.S. (California State University), 2000; M.S. (University of Virginia), 2002; Ph.D. (Ibid.), 2006. Since 2009.

ZYGMUNT KAROL GRZYCZYNSKI, W. A. "Tex" Moncrief Jr. *Professor*. M.S. (Gdansk University), 1982; Ph.D. (Ibid.), 1987. Since 2010.

DOUGLAS INGRAM, *Senior Instructor*. B.A. (University of Texas at Austin), 1991; M.Sc. (University of Washington), 1991; Ph.D. (Ibid.), 1996. Since 1996.

MICHAEL B. KRUGER, *Professor and Dean*. B.S. (State University of New York), 1985; M.A. (University of California at Berkeley), 1987; Ph.D. (Ibid), 1992. Since 2021.

ANTON NAUMOV, *Associate Professor*. B.Sc. (University of Tennessee), 2005; Diploma in Chemical Physics (Kazan State University, Russia), 2006; M.S. (Rice University), 2008; Ph.D. (Ibid), 2011. Since 2015.

C. MAGNUS L. RITBY, *Professor*. B.S. (University of Sussex), 1980; Ph.D. (University of Stockholm), 1985. Since 1990.

YURI M. STRZHEMECHNY, *Associate Professor and Chair of the Department*. M.S. (Kharkiv Polytechnic University), 1988; M.Ph. (City University of New York), 1977; Ph.D. (Ibid), 2000. Since 2005.

## Pre-Health

MATHEW A. CRAWFORD, *Instructor I*, B.S. (Amridge University), 2003; M.A. (John Carroll University), 2009; Th.M. (Duke University), 2011; Ph.D. (Baylor University), 2019. Since 2019.

## Psychology

NUR CAYIRDAG ACAR, *Instructor I*. B.A. (Bogaziki University), 2004; M.A. (University of Georgia), 2011; Ph.D. (Middle East Technical University), 2012. Since 2022. TIMOTHY M. BARTH, *Professor and Associate Dean*. B.S. (St. Bonaventure University), 1979; M.S. (Wesleyan University), 1982; Ph.D. (University of Texas at Austin), 1986. Since 1990.

GARY W. BOEHM, *Professor*. B.A. (Utah State University), 1989; M.S. (University of Connecticut), 1992; Ph.D. (Ibid.), 1996. Since 1999.

ELLEN W. BROOM, *Professor of Professional Practice*. B.A. (University of Texas at Arlington) 1992; M.Ed. (University of North Texas), 1995; Ph.D. (Ibid.), 2000. Since 2011.

CASEY D. CALL, *Associate Professor of Professional Practice*. B.S. (University of North Texas), 1997; M.Ed. (Texas Christian University), 1999 and 2004; M.S. (Ibid.), 2011; Ph.D. (Ibid.) 2012. Since 2018.

NUR CAYIRDAG ACAR, *Instructor I*. B.A. (Bogaziki University), 2004; M.A. (University of Georgia), 2011; Ph.D. (Middle East Technical University), 2012. Since 2012.

BRENTON GRANT COOPER, *Associate Professor*. B.S. (University of New Mexico), 1993; Ph.D. (University of Utah), 2003. Since 2007.

CATHY R. COX, *Associate Professor*. B.A. (University of Colorado, Colorado Springs), 2000; M.A. (Ibid.), 2004; Ph.D. (University of Missouri), 2009. Since 2009.

NAOMI V. EKAS, *Professor*. B.A. (University of California, Davis), 2005; M.A. (University of Notre Dame), 2007; Ph.D. (Ibid.), 2009. Since 2011.

SARAH E. HILL, *Professor*. B.A. (University of Wisconsin-Milwaukee), 2000; Ph.D. (University of Texas at Austin), 2006. Since 2008.

DANICA KNIGHT, *Professor*. B.M. (Southern Methodist University), 1988; M.S. (Texas Christian University), 1990; Ph.D. (Ibid.), 1992. Since 2019.

KEVIN KNIGHT, *Professor, Sauls B. Sells Chair of Psychology and Director of the Institute of Behavioral Research*. B.A. (Southern Methodist University), 1985; M.A. (Ibid.), 1988; Ph.D. (Texas Christian University), 1991. Since 2018.

KENNETH J. LEISING, *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.

MOLLY O'MEALEY, *Instructor I*. B.S. (University of Oklahoma), 2013; M.S. (Ibid.), 2017; Ph.D. (Ibid.), 2021. Since 2022.

MAURICIO R. PAPINI, *Professor*. Licenciata (University of Buenos Aires), 1976; Ph.D. (University of San Luis, Argentina), 1985. Since 1990.

ANNA INGEBORG PETURSDOTTIR, *Associate Professor and Chair of the Department*. B.A. (University of Iceland), 1996; M.A. (Western Michigan University), 2004; Ph.D. (Ibid.), 2006. Since 2006.

GREG REPASKY, *Instructor I*. B.S. (Texas Christian University), 2010; M.S. (Ibid.) 2012; Ph.D. (Ibid.), 2016. Since 2015.

S. K. UMA TAUBER, *Associate Professor*. B.A. (Augustana College), 2004; M.A. (University of Colorado), 2007; Ph.D. (Colorado State University), 2010. Since 2013.

DAVE R. WEISE, *Instructor II*. B.A. (Eastern Illinois University), 2003; M.A. (University of Colorado at Colorado Springs), 2006; Ph.D. (University of Arizona), 2011. Since 2013.

## Ranch Management

KERRY L. CORNELIUS, *Assistant Professor of Professional Practice; Assistant Director; and Burnett Ranches Professor*. B.S. (Tarleton State University), 1985; Ranch Management (Texas Christian University), 1986; M.S. (Tarleton State University), 1995. Since 1995.

J. CHRISTOPHER FARLEY, *Assistant Professor of Professional Practice; Assistant Director of the Ranch Management Southwestern Exposition and Livestock Show Professor*. B.S. (Sam Houston State University), 1986; Ranch Management (Texas Christian University), 1996; M.S. (Tarleton State University), 2009. Since 2006.

JASON S. FAUBION, *Assistant Professor of Professional Practice; Assistant Director and John Biggs Professor*. B.S. (Tarleton State University), 1993; M.S.T. (Ibid.), 1994. Since 2007.

JEFFREY C. GEIDER, *Associate Professor of Professional Practice; and William Watt Matthews Director of the Institute of Ranch Management*. B.G.S. (Texas Christian University), 1981; Ranch Management (Ibid.), 1981; M.L.A. (Ibid.), 1999. Since 1997.

MATTHEW B. MCLENNAN, *Associate Professor of Professional Practice and Houston Livestock Show and Rodeo Professor*, B.S. (Tarleton State University), 1991; Ranch Management (Texas Christian University), 1992; M.S. (Tarleton State University), 2015. Since 2022.

## Emeritus Faculty

LARRY D. ADAMS, Emeritus Associate Professor of Sociology

DAVID F. ADDIS, Emeritus Associate Professor of Mathematics

JOHN G. ALBRIGHT, Emeritus Professor of Chemistry

SHEILA M. ALLEN, Emeritus Professor of Voice

MARINDA ALLENDER, Emeritus Assistant Professor of Nursing

JULIE A. BAKER, Emeritus Professor of Marketing

KATHLEEN M. BALDWIN, Emeritus Associate Professor of Nursing

WILLADEAN WILLIAMS BALL, Emeritus Associate Professor of Nursing

WAYNE J. BARCELLONA, Emeritus Associate Professor of Nurse Anesthesia

ARNOLD I. BARKMAN, Associate Professor of Accounting

CHARLES McVEY BECKER, Emeritus Associate Professor of Economics and Finance

VICTOR A. BELFI, Emeritus Associate Professor of Mathematics

BETTY S. BENISON, Emeritus Professor of Kinesiology and Physical Education

CATHY C. BLOCK, Emeritus Professor of Education

STANLEY B. BLOCK, Emeritus Professor of Finance

ROBERT W. BOATLER, Emeritus Associate Professor of Finance

JOSEPH A. BOBICH, Emeritus Professor of Chemistry

BABETTE BOHN, Emeritus Professor of Art History

M. EUGENE BORING, Emeritus Professor of New Testament

PATRICIA BRADLEY, Emeritus Associate Professor of Nursing

JOHN A. BREYER, Emeritus Professor of Geology

D. CLAYTON BROWN, Emeritus Professor of History

RUDOLF B. BRUN, Emeritus Professor of Biology

CAROLYN SPENCE CAGLE, Emeritus Professor of Nursing

LARK F. CALDWELL, Emeritus Associate Professor of Interior Design and Merchandising

CLAUDIA V. CAMP, Emeritus Professor of Religion

JAMES T. CHAMBERS, Emeritus Associate Professor of History

LUTHER B. CLEGG, Emeritus Professor of Education

FRANCES COLPITT, Emeritus Professor of Art History

CHARLES ROY COMBRINK, Emeritus Associate Professor of Mathematics

DAVID E. CONN, Emeritus Professor of Art

DAVID W. CRAVINS, Emeritus Professor of Marketing

WILLIAM L. CRON, Emeritus Professor of Marketing

DAVID R. CROSS, Emeritus Professor of Psychology

LINDA CURRY, Emeritus Professor of Nursing

LEE A. DANIEL, Emeritus Professor of Spanish and Hispanic Studies

DONALD F. DANSEREAU, Emeritus Professor of Psychology

MARLYN (LYN) DART, Emeritus Associate Professor of Nutritional Sciences

GAIL C. DAVIS, Emeritus Professor of Nursing

SAMUEL M. DEITZ, Emeritus Professor of Education

TRACY DIETZ, Emeritus Associate Professor of Social Work

J. MICHAEL DODSON, Emeritus Professor of Political Science

ROBERT S. DORAN, Emeritus Professor of Mathematics

SUSAN DOUGLAS ROBERTS, Emeritus Professor of Dance

H. KIRK DOWNEY, Emeritus Professor of Management

RAY W. DRENNER, Emeritus Professor of Biology

DAVID E. EDMONSON, Emeritus Provost of Technology Resources

R. TERRY ELLMORE, Emeritus Associate Professor of Radio-Television-Film

RICHARD ENOS, Emeritus Professor of English

HOMER EREKSON, Emeritus Dean of the Neeley School of Business and Professor of Entrepreneurship & Innovation

FRED ERISMAN, Emeritus Professor of English

PENG FAN, Emeritus Associate Professor of Mathematics

SHARON L. FAIRCHILD, Emeritus Associate Professor of French

RICHARD M. FENKER, JR., Emeritus Professor of Psychology

GARY W. FERGUSON, Emeritus Professor of Biology

JEFF FERRELL, Emeritus Professor of Sociology and Anthropology

DAVID W. FINN, Emeritus Assistant Professor of Marketing

ARTURO C. FLORES, Emeritus Professor of Spanish and Latin American Studies

PATRICK M. FLYNN, Emeritus Professor of Psychology

RONALD B. FLOWERS, Emeritus Professor of Religion

DONALD H. FRISCHMANN, Emeritus Professor of Spanish and Hispanic Studies

ROBERT P. GARWELL, Emeritus Professor of Music

AGATHA GAIL GEAR, Emeritus Instructor of Art History

JEAN GILES-SIMS, Emeritus Professor of Sociology

JOHN R. GIORDANO, Emeritus Associate Professor of Music

RICHARD C. GIPSON, Emeritus Professor of Music and Dean

TIM GOLLAHER, Emeritus Professor of Professional Practice of Nurse Anesthesia

WILLIAM R.M. GRAHAM, Emeritus Professor of Physics and Astronomy

JUDY GROULX, Emeritus Professor of Education

GERALD L. GROTTA, Emeritus Associate Professor of Journalism

DAVID M. GUNN, Emeritus Professor of Religion

LINDA D. GUY, Emeritus Professor of Art

- PHILIP S. HARTMAN, Emeritus Professor of Biology  
 RHONDA L. HATCHER, Emeritus Associate Professor of Mathematics  
 DIANE HAWLEY, Emeritus Associate Professor of Professional Practice of Nursing  
 SANOA J. HENSLEY, Emeritus Assistant Professor of Accounting  
 JACK A. HILL, Emeritus Professor of Religion  
 DALE A. HUCKABY, Emeritus Professor of Chemistry  
 SUZANNE HUFFMAN, Emeritus Professor of Journalism  
 DONALD W. JACKSON, Emeritus Professor of Political Science  
 JO ANN JAMES, Emeritus Professor of Education  
 DAVID JENKINS, Emeritus Professor of Social Work  
 JACK W. JONES, Emeritus Professor of Management  
 HENRY C. KELLY, Emeritus Professor of Chemistry  
 JANET KELLY, Emeritus Professor of Education  
 PAUL KING, Emeritus Professor of Communication Studies  
 TED K. KLEIN, JR., Emeritus Professor of Philosophy  
 JEAN KNECHT, Emeritus Assistant Professor of French  
 WILLIAM H. KOEHLER, Emeritus Provost  
 NADIA M. LAHUTSKY, Emeritus Associate Professor of Religion  
 CHARLES W. LAMB JR., M. J. Neeley Professor of Marketing  
 TED LEGATSKI, Emeritus Professor of Professional Practice, Entrepreneurship & Innovation  
 LALONNIE LEHMAN, Emeritus Professor of Theatre  
 MARJORIE D. LEWIS, Emeritus Associate Professor of English  
 ANNE L. LIND, Emeritus Assistant Professor of Nursing  
 JOSEPH B. LIPSCOMB, Emeritus Professor of Finance and Real Estate  
 CHARLES LOCKHART, Emeritus Professor of Political Science  
 KENNETH LOWRANCE, Emeritus Professor of Professional Practice of Nursing  
 JANE MACKAY, Emeritus Associate Professor in Information Systems and Supply Chain Management  
 PEGGY MAYFIELD, Emeritus Associate Professor of Nursing  
 NANCY MYERS McCAULEY, Emeritus Associate Professor of Theatre  
 MICHAEL D. McCRACKEN, Emeritus Associate Professor of Biology  
 KATHRYNE S. McDORMAN, Emeritus Associate Professor of History  
 MARY McKINNEY, Emeritus Senior Instructor of Spanish and Hispanic Studies  
 DEBRA A. McLACHLAN, Emeritus Associate Professor of Nursing  
 MARGARET C. McWHORTER, Emeritus Assistant Professor of Interior Design and Merchandising  
 NANCY MEADOWS, Emeritus Professor of Education  
 BONNIE MELHART, Emeritus Associate Professor of Computer Science  
 ROBERT MICHAEL MECKNA, Emeritus Professor of Music  
 JOHN L. MERRILL, Emeritus Director of Ranch Management  
 BRUCE N. MILLER, Emeritus Professor of Physics and Astronomy  
 ETTA MILLER, Emeritus Associate Professor of Education  
 JOEL MITCHELL, Emeritus Professor of Kinesiology  
 WILLIAM C. MONCRIEF III, Emeritus Professor of Marketing  
 LINDA MOORE, Emeritus Professor of Social Work  
 ALISON FINNEY MORELAND, Emeritus Instructor of Nursing  
 A. FRANKLIN MURPH, Emeritus Professor of Decision Sciences  
 WALTER R. NAFF, Emeritus Professor in the Department of Environmental Sciences, Biology and Geology  
 LEO W. NEWLAND, Emeritus Professor in the Departments of Environmental Sciences, Biology and Geological Sciences  
 DOUGLAS ANN NEWSOM, Emeritus Professor of Journalism  
 DONALD R. NICHOLS, Emeritus Professor of Accounting  
 FREDERICK D. OBERKIRCHER III, Emeritus Associate Professor of Design, Merchandising and Textiles  
 L. DONNELL PAYNE, Emeritus Associate Professor of Computer Science  
 RHONDA KEEN PAYNE, Emeritus Professor of Nursing  
 HENRY PATTERSON, Emeritus Associate Professor of Education  
 ROGER C. PFAFFENBERGER, Emeritus Professor of Decision Sciences  
 WILL POWERS, Emeritus Professor of Communication Studies  
 RICHARD PRIEM, Emeritus Professor of Management  
 CARROLL A. QUARLES, JR., Emeritus Professor of Physics and Astronomy  
 JACK RASKOPF, Emeritus Associate Professor of Journalism  
 WILLIAM W. RAY, Emeritus Associate Professor of Geography  
 MANFRED G. REINECKE, Emeritus Professor of Chemistry  
 NORMAN REMLEY, Emeritus Professor of Psychology  
 SHARON REYNOLDS, Emeritus Professor of Education, Posthumous  
 J. CY ROWELL, Emeritus Professor of Religious Education  
 D. MICHAEL SACKEN, Emeritus Professor of Education  
 KAY SANDERS, Emeritus Professor of Professional Practice of Nurse Anesthesia  
 F. ANDREW SCHOOLMASTER, III, Emeritus Dean of AddRan College and Emeritus Professor of Geography  
 STANLEY ALLEN SELF, Emeritus Professor of Management  
 GAYLA JETT SHANNON, Emeritus Professor of Professional Practice of Interior Design  
 ELLEN SHELTON, Emeritus Associate Professor in the School for Classical & Contemporary Dance  
 MELISSA SHERROD, Emeritus Professor of Nursing  
 DANIEL GOODING SHORT, Emeritus Professor of Accounting and Dean  
 CECILIA SILVA, Emeritus Professor of Education  
 DENNIS DWAYNE SIMPSON, Emeritus Professor of Psychology  
 WILLIAM T. SLATER, Emeritus Professor of Journalism  
 RAYMOND W. SMILOR, Professor of Professional Practice and Holder of the Robert and Edith Schumacher Executive Fellowship in Entrepreneurship  
 EMMET G. SMITH, Emeritus Professor of Organ and Church Music  
 MARJORIE T. STANLEY, Emeritus Professor of Finance  
 GREG STEPHENS, Emeritus Associate Professor of Management  
 CAROL A. STEPHENSON, Emeritus Associate Professor of Nursing  
 RANAE STETSON, Emeritus Professor of Education  
 KAY BLANTON STEVENS, Emeritus Associate Professor of Education  
 KENNETH STEVENS, Emeritus Professor of History  
 HOWARD W. STONE, Emeritus Professor of Pastoral Theology and Pastoral Counseling  
 DANNA E. STRENGTH, Emeritus Associate Professor of Nursing  
 BEN STRICKLAND, Emeritus Professor of Education  
 SCOTT A. SULLIVAN, Emeritus Professor of Art History and Dean  
 WILMA JEAN TADE, Emeritus Instructor in Communication Pathology  
 AUSTRALIA TARVER, Emeritus Associate Professor of English  
 JOHN TOULIATOS, Emeritus Professor of Education  
 STANLEY TRACHTENBERG, Emeritus Professor of English  
 WILLIAM E. TUCKER, Emeritus Chancellor  
 WILLIAM VANDERHOOF JR., Emeritus Assistant Professor of Education  
 ROBERT LEE VIGELAND, Emeritus Professor of Accounting  
 MARY L. VOLCANSEK, Emeritus Professor of Political Science  
 CHARLES WALKER, Emeritus Professor of Nursing  
 PATRICK L. WALTER, Emeritus Professor of Professional Practice in Engineering  
 PATRICIA T. WARRINGTON, Emeritus Associate Professor Fashion Merchandising

PEGGY W. WATSON, Emeritus Professor in the John V. Roach Honors College  
 RONALD G. WATSON, Emeritus Professor of Art  
 JO NELL WELLS, Emeritus Professor of Nursing  
 SPENCER K. WERTZ, Emeritus Professor of Philosophy  
 MARGIE J. WEST, Emeritus Professor of Art  
 J. CHRISTOPHER WHITE, Emeritus Associate Professor of Marketing  
 GARY WHITMAN, Emeritus Professor of Music  
 WALT E. WILLIAMSON, Emeritus Professor of Engineering  
 CURTIS W. WILSON, Emeritus Professor of Music  
 SUSAN F. WILSON, Emeritus Associate Professor of Nursing  
 PAUL WITT, Emeritus Professor of Communication Studies  
 HARRIET RISK WOLDT, Emeritus Associate Professor of Cello and Theory  
 MORRISON WONG, Emeritus Professor of Sociology  
 JAMES C. WOODSON, Emeritus Professor of Art  
 B. STEPHANIE WOODS-RAND, Emeritus Associate Professor of Ballet  
 FREDERICO XAVIER, Emeritus Professor of Mathematics  
 STUART A. YOUNGBLOOD, Professor of Management  
 TADEUSZ W. ZERDA, Emeritus Professor of Physics and Astronomy

## Courses

### AAAS - African American Africana Studies

#### AAAS 10103 - Engaging Difference and Diversity in America (3)

This course introduces students to the interdisciplinary field of comparative race and ethnic studies. Students will examine the interconnections between race, ethnicity, and social, political, and cultural frameworks and attitudes in the U.S. Questions the course explores include: When and how did the concept of race arise? How does race connect with other forms of difference such as class, gender, and sexuality? How do our personal experiences with racial identity and racism relate to the structure of our society? How have Race and Ethnic Studies scholars explored areas such as immigration, popular culture, education, and imperialism? And how have concerns for social justice and equity shaped the field of Race and Ethnic Studies?

#### AAAS 20103 - Introduction to African American Studies (3)

Introduction to African-American Studies is a survey course in African-American life and culture. Through the close readings and focused discussion, we will focus on prominent themes in African-American history. Beginning with the arrival of slaves to the New World, the course will cover slavery, Reconstruction, the Great Migration, the Civil Rights Movement and contemporary African-American politics. Through writing assignments, students will have an opportunity to strengthen expository writing, as well as their primary and secondary research skills.

### AADM - Arts Administration

#### AADM 20970 - Experimental Course (1.00-3.00)

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.

#### AADM 30103 - The Arts Organization (3)

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 (3)

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 (3)

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.

### ACCT - Accounting

#### ACCT 20353 - Fundamentals of Accounting (3)

3 hours. Prerequisite: Sophomore standing and must be a pre-business major or a student for whom the course is required by their major, minor, or concentration. An introduction to business through the lenses of financial accounting: an information processing system that communicates relevant data regarding business entities to external decision makers. Emphasizes the basic concepts, principles, and techniques used to measure, record, and report financial information according to generally accepted accounting principles. Students may not receive credit for both ACCT 20353 and ACCT 20653. The course may not be retaken for credit if the student has completed ACCT 30153.

#### ACCT 20653 - Introduction to Accounting (3)

Prerequisites: ECON 10223. Must have sophomore standing, and be a business minor, or entrepreneurship and innovation minor, or receive departmental approval. Students may not receive credit for both ACCT 20353 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 20353, and may not be applied to fulfill the lower division business requirements.

#### ACCT 20990 - International Residential Study (1.00-3.00)

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 30101 - Professional Program in Accounting Seminar (1)

Prerequisites: must be a business major or departmental permission. This seminar emphasizes development of student knowledge about the dynamic opportunities in accounting and financial professions. Specific topics to be addressed include professional development, communication, networking, and career education as it relates to audit, tax, or advisory career paths.

#### ACCT 30153 - Financial Reporting I (3)

3 hours. Prerequisites: At least a C- grade in ACCT 20353 and must be a Business major or an Accounting or Finance minor. In-depth study of the theory, principles, and tools used to measure, record, and report financial information according to generally accepted accounting principles. Financial Reporting I focuses on assets, their related income counterparts and the financial statements.

#### ACCT 30163 - Cost Analysis and Control (3)

3 hours. Prerequisite: ACCT 20353 with a grade of at least a C- and must be a Business major. Cost accounting fundamentals and the use of costs and costing systems to control operations and inform operational, tactical, and strategic decisions.

#### ACCT 30253 - Financial Reporting II (3)

3 hours. Prerequisites: at least a C- grade in ACCT 30153 and ACCT 20353, and must be a Business major. In-depth study of the theory, principles and tools used to measure, record, and report financial information according to generally accepted accounting principles. Financial Reporting II focuses on liabilities and equities and their related income counterparts.

#### ACCT 30273 - Audit and Assurance (3)

Prerequisite: ACCT 30153 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 30303 - Principles of Taxation (3)

3 hours. Prerequisites: ACCT 20353, and must be a Business major. An introduction to the role of taxes in society, including current tax policy and proposals for reform, and the impact of taxes on individuals and business entities. Designed to provide students with the knowledge and skills required to successfully evaluate the specific income tax implications of various fact situations.

#### ACCT 40010 - Professional Accounting Internship (1.00-3.00)

1 to 3 hours. Prerequisites: senior standing and must be an Accounting 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. This course may only be taken once and is graded on a Pass/No credit basis.

**ACCT 40030 - Senior Honors Research Paper (1-3)**

1-3 hours. Prerequisite: Departmental permission, and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member. May be taken for up to three credit hours.

**ACCT 40033 - Senior Honors Research Paper (3)**

Prerequisite: Departmental permission, and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**ACCT 40163 - Accounting for Decision Making & Control (3)**

Prerequisites: Must be a Business major or a student for whom the course is required by their major/minor/concentration; completion of ACCT 20353 or 20653. An introduction to concepts, principles, and tools for decision makers to interpret and use accounting information within all functional areas of business. Topics include financial statement analysis, budgeting, performance evaluation, variance analysis, inventory management, and capital budgeting.

**ACCT 40223 - Accounting Information Systems (3)**

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. Students are introduced to methods to evaluate the system of internal controls including the use of data analytics.

**ACCT 40253 - Financial Reporting III (3)**

3 hours. Prerequisites: ACCT 30253 with at least a 'C-' and must be an Accounting major. Intensive study of additional financial reporting topics beyond those encountered in Financial Reporting I and II with an emphasis on helping students to develop an appreciation for ambiguity in the financial reporting for complex issues.

**ACCT 40970 - Special Problems in Accounting (1.00-3.00)**

(1-6 semester hours) This course may be repeated for credit, and must be a Business major.

**ACCT 55153 - Financial Statement Analysis (3)**

3 hours. Prerequisite: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or instructor permission. The analysis and use of information contained in corporate financial statements by equity and credit analysts, management, and auditors, including an understanding of the limitations and inadequacies of published financial statements.

**ACCT 55200 - Business Intelligence and Accounting Analytics (0)**

Prerequisites: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or instructor permission. Business Intelligence Accounting Analytics combines financial and operational data with mining tools to improve the timeliness and quality of inputs to decision processes. It encompasses both top-down (confirmatory or hypothesis driven) analysis using traditional statistical techniques and bottom-up (exploratory) analysis using database and machine learning techniques to discover regularities, relations, or local structure/patterns that are at first unknown. The topics and related methods discussed include information retrieval and enterprise reporting, classification, predictive modeling, clustering, association rules mining, and social network analysis. The application of these methods are illustrated using modern software tool via examples, homework assignments and group term projects.

**ACCT 55250 - Seminar in Current Assurance Topics (1.5)**

1.5 hours. Prerequisite: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or instructor permission. This course includes advanced problems and research in the application of auditing standards; internal control evaluations; audits of accounting information systems; and auditor's ethical, legal, and reporting obligations.

**ACCT 55253 - Business Combination and Advanced Topics (3)**

3 hours. Prerequisites: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or instructor permission. Coverage of financial reporting issues associated with combinations of business organizations, including consolidations, inter-company transactions, and re-measurement of foreign-currency-denominated financial statements. This course also includes deeper investigation of financial reporting topics covered in previous courses as well as topics beyond the scope of previous courses.

**ACCT 55303 - Taxation of Business Entities (3)**

3 hours. Prerequisite: Enrollment in the MAc program; or ACCT 30303; or instructor permission. Provides an overview of the tax laws related to corporations and flow-through entities.

**ACCT 55350 - Seminar in Current Tax Topics (1.5)**

1.5 hours. Prerequisite: Enrollment in the MAc program; or ACCT 30303 and credit for or concurrent enrollment in ACCT 55303; or instructor permission. Examines major features of US and international tax systems, and analyzes the tax proposals and policies that are likely to dominate debate in the next decade.

**ACCT 55450 - Moral Reasoning in Accounting (1.5)**

1.5 credits. Prerequisites: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or permission of the instructor. Addresses moral reasoning and decision making in an accounting context. Tools for addressing ethical dilemmas are addressed from a personal and organizational framework. Case studies are used to develop moral reasoning skills.

**ACCT 55460 - Ethics for Accounting Professionals (1.5)**

1.5 credits. Prerequisites: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or permission of the instructor. This course is designed to further enhance students' ethical decision-making in relation to issues faced by accounting professionals. The course focuses on ethical reasoning and decision-making, integrity, objectivity, independence, professionalism and other core values of the accounting profession.

**ACCT 55550 - Seminar in Current Advisory Topics (1.5)**

1.5 hours. Prerequisite: Enrollment in the MAc program; or ACCT 30273 and credit for or concurrent enrollment in ACCT 40253; or instructor permission. This course examines current topics in the professional services of advisory and valuation. Specifically, we discuss valuation of business and the contributing factors to business valuation including market reactions, economic changes, and financial reporting requirements. Emphasis is placed in developing students' ability to synthesize information and effectively communicate decisions in writing.

## ADRN - AddRan Interdisciplinary

**ADRN 10001 - Self Assessment and Career Exploration (1)**

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. (This course is only offered P/NC.)

**ADRN 20101 - Make Your Major Work (1)**

Prerequisites: any AddRan College major or School of Interdisciplinary Studies major or minor with at least sophomore standing. This eight-week course will prepare students to enter the job market, and to be effective in their job search. Students will learn how to articulate their marketable skills, to identify their strengths, and to determine what types of jobs are available for their transferable skills and major. They will learn how to create an effective resume and cover letter, and will practice their networking and interviewing skills. (This course is only offered as P/NC.)

**ADRN 20103 - Africa through Film (3)**

This discussion-based course uses documentaries and movies to highlight the history, traditions, and lifestyles of African societies. Students can't receive credit for both ADRN 20103 and HNRS 20103.

**ADRN 20203 - Mindfulness and Modern Life (3)**

Much attention has been given to the stress college students are under today. To address this, the course considers what it means to live a 'mindful' life today. What kind(s) of thinking and practice does such a life entail? How would it fit into a busy college student's life? This course will address these questions through both theory and practice. It will range from traditional Buddhist ideas to modern science, from classic liberal arts reflection to contemporary mindfulness exercises. We will consider how practice and reflection influence one another, and how we engage in personal relationships, society, and the natural world. After beginning most classes with a 10-minute meditation, we will discuss the day's assignment. We will then generally do another practice and end with a circle of discussion.

**ADRN 20900 - Ideas of Leadership (1.00-3.00)**

An examination of the concept and practice 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 sources will be analyzed and compared. A number of famous historical leaders will be evaluated in terms of the models presented."

**ADRN 20903 - Ideas of Leadership (3)**

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 20970 - Special Problems in Interdisciplinary Studies (1.00-3.00)**

This course is to be used for interdisciplinary or multidisciplinary courses within AddRan College. It is for variable credit (1-3 semester hours.)

**ADRN 30970 - Special Problems in Interdisciplinary Studies (1.00-3.00)**

Special Problems in Interdisciplinary Studies or experimental course. (1-3 credits)

**ADRN 31903 - Summer Study in Ghana (3)**

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.

## AEST - Aerospace Studies

**AEST 10001 - Leadership Lab (1)**

Leadership Lab (LLab) is the hands-on leadership training portion of the Air Force ROTC program. 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. (This course is only offered as P/NC.)

**AEST 10211 - Foundation of the United States Air Force (1)**

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 (1)**

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 - Team and Leadership Fundamentals (1)**

Team and Leadership Fundamentals (AEST 20211 in the fall and 2022 in the spring): A survey course designed to provide a basic understanding of both leadership and team building fundamentals. In this course, students will apply learned leadership perspectives while completing team building activities and discussing various leadership topics (i.e., conflict management, motivation, ethical decision-making, etc.). Additionally, students will be introduced to, and practice, basic verbal and written communication skills to develop effective thinking, writing, and speaking proficiencies. Students are taught from the beginning that

there are many layers to leadership, including aspects that are not typically associated with these topics. Such aspects include listening, self-assessment/self-reflection, being a good follower, and problem solving efficiently. As a whole, this course provides the student with a knowledge level understanding of the general elements of leader development and effective teamwork. Furthermore, students will continue to discuss the importance of the Air Force Core Values with the use of operational examples and historical Air Force leaders. Leadership Laboratory 10001 complements this course by providing cadets with followership experiences.

**AEST 20221 - Team and Leadership Fundamentals (1)**

Team and Leadership Fundamentals (AEST 20211 in the fall and 2022 in the spring): A survey course designed to provide a basic understanding of both leadership and team building fundamentals. In this course, students will apply learned leadership perspectives while completing team building activities and discussing various leadership topics (i.e., conflict management, motivation, ethical decision-making, etc.). Additionally, students will be introduced to, and practice, basic verbal and written communication skills to develop effective thinking, writing, and speaking proficiencies. Students are taught from the beginning that there are many layers to leadership, including aspects that are not typically associated with these topics. Such aspects include listening, self-assessment/self-reflection, being a good follower, and problem solving efficiently. As a whole, this course provides the student with a knowledge level understanding of the general elements of leader development and effective teamwork. Furthermore, students will continue to discuss the importance of the Air Force Core Values with the use of operational examples and historical Air Force leaders. Leadership Laboratory 10001 complements this course by providing cadets with followership experiences.

**AEST 20990 - International Residential Study (1.00-20.00)**

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 I (3)**

AEST 30113 is a study of leadership, management fundamentals, professional knowledge, leadership ethics and the communication skills required of a junior military officer. Case studies are used to examine leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Course objective is for student to comprehend and apply the concepts of ethical behavior as well as comprehend the selected concepts, principles and theories of leadership and management.

**AEST 30123 - Leadership Studies II (3)**

Prerequisite: AEST 30113 or permission of the instructor. AEST 30123 builds upon the concepts established in AEST 30113. 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. Course objective is for the student to comprehend and apply the concepts of conflict management, mentorship and counseling in a military environment, understand the principles of leadership authority and responsibility as it pertains to the military officer.

**AEST 30990 - International Residential Study (1.00-20.00)**

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 I (3)**

Course is designed to examine the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military and current issues affecting military professionalism. Course objective is for student to comprehend basic elements of national security policy, Air Force functions and competencies and role of the military as it pertains to national security policy.

**AEST 40123 - National Security Affairs II (3)**

Prerequisite: AEST 40113 or permission of the instructor. AEST 40123 builds upon the concepts established in AEST 40113. Course is designed to examine the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on responsibility, authority and functions of an Air Force Commander, the military Major Commands Area of Responsibilities, basic introduction of military law and the Code of Conduct.

**ANTH - Anthropology****ANTH 10433 - Freshman Seminar in Anthropology (3)**

Topics may vary each time it is offered.

**ANTH 10533 - Freshman Seminar in Anthropology (3)**

Topics may vary each time it is offered.

**ANTH 20613 - Introduction to Physical Anthropology (3)**

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 (3)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

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 (3)**

Prerequisite: Permission of Instructor.

**ANTH 30233 - Sustainability: Environmental, Social & Economic Issues (3)**

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 30303 - Into the Small: Little Animals in Art, Culture and, Museums (3)**

Why do many people love butterflies, but fear bats? In "Into the Small" we will explore questions like these using multiple senses and cross-cultural perspectives, and then produce artworks in the contexts of galleries and museum exhibits to share what we find out.

**ANTH 30313 - Food and Culture (3)**

Food and Culture explores food production, distribution, and consumption for practical and symbolic objectives. The course focuses on the symbolism as an expression of ethics that shape people's individual and collective identities. Toward this end, the course addresses heritage foods and identities at risk due to a change from

regional, cottage production to mass production for worldwide distribution. The course also looks at identity in relation to politics and gender. Students learn qualitative research skills, which they apply to a semester-long project in a food-related venue, discovering the ethical moorings of a food micro-culture. Students learn skills for understanding culture through food, applicable to careers and travel in domestic and foreign settings.

**ANTH 30323 - Migration: Crossing Borders, Crossing Cultures (3)**

Course undertakes a comparative study in transnational migration to explore migrant life as related to economic condition and politics of public policy, state security, citizenship, identity, religion, and nativism.

**ANTH 30333 - Mexican American Culture (3)**

The course examines expressive culture that reflects and shapes the way people think, behave, and give their lives meaning. The expressive culture includes history, literature, and lore considered as resources 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. Student cannot receive credit for ENGL 55713 and ENGL 30713.

**ANTH 30373 - Medical Anthropology (3)**

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 30383 - Writing Human Stories: Research, Ethnography, and Narrative (3)**

Prerequisites: ANTH 20623 or 20643, or the professor's permission. This course introduces students to the components of qualitative research, including project design, participant observation, interviews, field notes, and the use of oral, archival, and written history. These techniques contribute to student research projects and ethnographic writing.

**ANTH 30403 - Perspectives on Human-Animal Relationships (3)**

This course examines topics and perspectives on human-animal relationships (HARE) from multiple disciplines within the humanities, social sciences, and natural sciences. We will explore the complex relationships between humans and other animals, past and present, including the socially constructed meanings of animals that shape animal/human interactions and relations within institutions and social, cultural, geographic and interactional contexts. We will consider many types of relationships between human and nonhuman animals, both beneficial and detrimental, as well as the trends that are impacting the future of animal/human relations on the planet.

**ANTH 30433 - Mexican-American Folklore: Traditions of La Raza (3)**

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 30533 - Happiness: Culture, Economics, and Being (3)**

Prerequisites: C- or better in ANTH 20623 or instructor permission. Explores anthropological and economic perspectives on happiness and human flourishing: the diverse ways in which well-being is conceptualized and experienced in different cultural contexts, the complex relationship between well-being and economic growth, and cross-disciplinary inquiry into the conditions and activities (such as community, ecology, dignity, creativity, generosity, trust, health, and inequality) that engender or impede human flourishing.

**ANTH 30623 - Urban Anthropology (3)**

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 (3)**

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 (3)**

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 (3)**

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 - Food Justice (3)**

Discusses the intersection of food and justice. Investigates injustices generated by the current U.S. food system and by global agribusiness against farm workers 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. (offered as ANTH or SOCI credit)

**ANTH 30673 - Anthropology and Religion (3)**

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 (3)**

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 (3)**

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 (3)**

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, and peoples of Africa.

**ANTH 30733 - Globalization and Human Impacts: Economics, Development and Social Justice (3)**

Prerequisites: ANTH 20623 or instructor permission. The course explores globalization's human impacts as understood through the lenses of development, public policy, economics, trade, and migration (among others). The course defines ethics and explores steps toward their realization in three areas in particular: (1) resolutions to social problems, (2) advancement of social justice, and (3) students' career paths.

**ANTH 30743 - Animals, Religion, and Culture (3)**

Comparative approach to exploring the roles of animals in world and indigenous religions, past and present, including Christianity, Hinduism, Islam, Judaism, and Native American traditions. Topics include who counts as a religious subject, or person; how focusing on animals can help us better understand religion in general; hunting and farming; animal sacrifice; pets; biotechnology; climate change; conservation; fear & awe; animal theology; and whether other animals themselves might be religious. Discussion-based, coupled with mini-lectures, video screenings, and experiential meditations."

**ANTH 30763 - Archaeology of the Biblical World: Syria-Palestine and TransJordan, 1550-332 BCE (3)**

Prerequisites: Either one RELI or one ANTH course, or permission of instructor. This course studies the cultures of Syria-Palestine and TransJordan from approximately 1550-332 BCE by identifying and interpreting the relevant archaeological data and anthropological findings. It will explore various aspects of these ancient cultures, including the region's economic, political, environmental, and social relations, as well as its religious expressions and ethnic identities.

Additionally, students will consider the significance of archaeological material and anthropological models for reconstructing and interpreting these cultures and for understanding the Hebrew Bible as a cultural and historical document.

**ANTH 30773 - Latin American Pop Culture (3)**

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 (3)**

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 (3)**

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 30843 - Practicing Anthropology: Career Applications (3)**

Prerequisites: ANTH 20623, or consent of the instructor. An examination of applied anthropology, the use of anthropological perspectives, values, data, theories, methodologies and skills for practical purposes in the real world. Explores the varied domains in which anthropologists practice, the methodologies employed in their work and the ethical and practical problems they face. Surveys potential work sites for anthropologists, examines the skills necessitated by such jobs and explores resources on career preparation and development.

**ANTH 30923 - Studies in Anthropology (3)**

Topics of interest in anthropology, including substantive areas of the discipline.

**ANTH 30933 - Studies in Ethno-Archeology (3)**

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 (3)**

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.

**ANTH 30973 - France Today: Citizenship, Identity, and Nationalism (3)**

The course explores French and migrant culture from diverse perspectives. It incorporates readings and films about migration history, economies of labor, politics, identity, citizenship, and civic responsibilities.

**ANTH 30983 - Anthropological Field Methods (3)**

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 (1.00-20.00)**

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 31990 - International Residential Study (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 37990 - International Residential Study (1.00-20.00)**

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 (3)**

Senior Honors Research Paper

#### **ANTH 40214 - Human Osteology (4)**

In-depth introduction to human skeletal anatomy including how to identify individual bones, important morphological features on them, and soft tissues that attach to them. Also covers using bones to recover sex, age at death, ancestry, etc., and explores applications in bioarchaeology, forensic anthropology, and other disciplines. Primarily intended for archaeologists and biological anthropologists, but also of interest to students considering careers in forensics, paleontology, or medicine. Weekly laboratory section is required.

#### **ANTH 40423 - The Anthropology of Violence (3)**

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 (3)**

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 (3)**

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 (1.00-6.00)**

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 (3)**

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 (3)**

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.

## **ARAB - Arabic Language**

#### **ARAB 10153 - Beginning Arabic I (3)**

The course will introduce students to the Arabic language and develop the four skills of reading, writing, speaking and listening.

#### **ARAB 10163 - Beginning Arabic II (3)**

Prerequisites: ARAB 10153 with a grade of C- or better, or permission of instructor. Continuation of ARAB 10153. This course is the second in a series which develops reading and writing skills in Modern Standard Arabic (MSA) with active speaking and listening skills in both formal Arabic and some exposure to the Levantine dialect, one of the major dialects of the Arabic language. In addition to increased vocabulary repertoire, students are expected to obtain a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. Authentic materials from the Arabic media will be used in addition to text-related video and audio materials. The course also introduces students to aspects of Arabic culture and everyday life in the Middle East.

#### **ARAB 20053 - Intermediate Arabic I (3)**

Prerequisites: ARAB 10163 with a grade of C- or better, or permission of instructor. This course is the third in a series, comprising both Modern Standard Arabic (MSA) and an exposure to the Levantine colloquial. Students will continue development of skills in conversation, listening comprehension, and culturally relevant activities around a serialized audio-visually enhanced story, set in an Arab environment. A greater emphasis will be placed on grammatical structures including reading and writing functional narratives.

#### **ARAB 20063 - Intermediate Arabic II (3)**

Prerequisites: ARAB 20053 with a grade of C- or better, or permission of instructor. This course is the fourth in a series, build on language skills developed in Arabic I-III. It aims to advance students' reading, writing, listening and comprehension skills, enabling them to read and analyze a wider range of texts, including news articles and longer narrations. Students are expected to acquire extensive knowledge in grammar, syntax and vocabulary, with a stress on cultivating speaking skills. They will become more familiar with the Levantine colloquial and gain knowledge of the culturally diverse Arabic-speaking world.

## **ARED - Art Education**

#### **ARED 10803 - Basics in Art Education (3)**

This course explores the profession of art education through experimentation in a variety of art media, field trips to various art education-related settings (museums, community centers, art therapy studios) and required observations of local elementary art classrooms. (Class meets 6 hours per week; students complete multiple independent visits to a local art classroom; studio art supplies are required.)

#### **ARED 20970 - Intermediate Studio (1.00-20.00)**

Maximum 3 hours per semester. Directed individual problems to strengthen fundamental knowledge and skills required for advanced studio courses. 1-6 hours.

#### **ARED 20990 - International Residential Study (1.00-20.00)**

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.

#### **ARED 30003 - Junior Honors Seminar (3)**

Studies in design research and design history.

#### **ARED 30013 - Approaches to Studio Art (3)**

Basic craft techniques as a foundation for advanced study and as applicable to the classroom situation.

**ARED 30803 - The Child and Visual Arts (3)**

Prerequisites: Junior standing in art, and permission of instructor. Theory and practice in techniques and methods for elementary school art program.

**ARED 30990 - International Residential Study (1.00-20.00)**

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.

**ARED 31990 - International Residential Study (1.00-20.00)**

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.

**ARED 34990 - International Residential Study (1.00-20.00)**

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.

**ARED 37990 - International Residential Study (1.00-20.00)**

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.

**ARED 38990 - International Residential Study (1.00-20.00)**

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.

**ARED 39990 - International Residential Study (1.00-20.00)**

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.

**ARED 40003 - Senior Honors Research (3)**

Prerequisite: ARGD 30003 or permission of instructor. Projects in design research and design history. Fulfills the requirement for an Upper-Division Design History Elective.

**ARED 40103 - The Therapeutic Arts (3)**

Prerequisites: The student must be in junior standing or have permission of the instructor. This class is for any major at TCU interested in learning how the arts can be therapeutic. Students in this class will make personal artwork to understand the practice of therapeutic art. They will design and teach therapeutic art to a variety of populations. This class is a combined lecture/lab with art materials required. There are several required field trips scheduled during class time.

**ARED 40803 - Essentials of Visual Arts (3)**

Prerequisites: Junior standing in art, and permission of instructor. Theory and practice with techniques and methods for secondary school art program.

**ARED 40970 - Special Problems (1.00-21.00)**

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.)

## ARGD - Graphic Design

**ARGD 10143 - Introduction to Visual Communication**

An introduction to and overview of Visual Communication as a career track in the applied arts and communication professions.

**ARGD 20301 - Professional Development for Graphic Designers (1)**

Prerequisite: Permission of instructor. Professional development in Graphic Design, related directly to participation in professionally-sponsored activities in the region. Course may be repeated for additional credit, up to a total of 2 credit hours.

**ARGD 20323 - Typography (3)**

Prerequisites: DSGN 10103, 10113, 10123, 10133, 10143 and 10153, successful completion of the initial Graphic Design Qualifying Examination or permission of instructor. Basic techniques and applications of standard graphic design methods.

**ARGD 20333 - Intermediate Design Practices (3)**

Prerequisite: ARGD 20323. Advanced processes and design problems in graphic design.

**ARGD 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 current graphic design software. This includes page-layout, vector-based drawing, scanning and image enhancement/manipulation.

**ARGD 20503 - The Digital Portfolio (3)**

Prerequisites: Concurrent enrollment in ARGD 20333 or permission of instructor. Introduction to techniques used in preparing a digital portfolio. Emphasis on three-dimensional imaging and environmental context.

**ARGD 20970 - Intermediate Studio (1.00-20.00)**

Maximum 3 hours per semester. Directed individual problems to strengthen fundamental knowledge and skills required for advanced studio courses. 1-6 hours.

**ARGD 20990 - International Residential Study (1.00-20.00)**

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.

**ARGD 30003 - Junior Honors Seminar (3)**

Studies in design research and design history.

**ARGD 30301 - Professional Recognition for Graphic Designers (1)**

Prerequisites: Successful completion of two semesters of ARGD 20301. Permission of the instructor. Earning adjudicated recognition for upper-division students in Graphic Design through an experiential process, including participation in designated events and entering work in designated design competitions. Course may be repeated for additional credit, up to a total of 4 credit hours.

**ARGD 30323 - Advanced Design Practices (3)**

Prerequisites: ARGD 20323, 20333 or permission of instructor. Continued exploration of design process with emphasis on visual perception and communication of information.

**ARGD 30400 - Illustration (3.00-15.00)**

Prerequisites: ARST 10103 or permission of instructor. Introduction to and exploration of current, creative illustration techniques and media. 3-15 hours, 3 hours maximum per semester.

**ARGD 30423 - Publication Design (3)**

Prerequisites: Completion of or concurrent enrollment in ARGD 30323 and permission of instructor. Complete range of design, layout, illustration, art preparation for book, magazine, news media publication.

**ARGD 30433 - Package Design (3)**

Prerequisite: ARGD 30323. Exploration of package design, packaging graphics and on-site promotion.

**ARGD 30443 - Corporate Identity (3)**

Prerequisites: Completion of or concurrent enrollment in ARGD 30323 and permission of instructor. An exploration of the theory and practice

of corporate identity. This includes logosymbol and logotype design, and their application to various media which may include: stationery systems, signage, website, display and packaging.

#### **ARGD 30453 - Computer Applications to Graphic Design (3)**

Prerequisite: ARGD 20323. 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.

#### **ARGD 30463 - Experience Design (3)**

Prerequisite: ARGD 20323 Typography or permission of instructor. A practical study of user interface/user experience design (UI/UX). Emphasis on using empathy and design thinking methodology in relation to solving system problems.

#### **ARGD 30473 - Advanced Computer Applications to Graphic Design (3)**

Prerequisite: ARGD 30453 or permission of instructor. Aesthetic exploration of advanced design and rendering software.

#### **ARGD 30523 - Advertising Design (3)**

Prerequisite: ARGD 20333 or permission of instructor. Creative communication within the limitations of specific media.

#### **ARGD 30533 - Advanced Advertising Design (3)**

Prerequisite: ARGD 30523. Exploration of agency procedures with emphasis on problems involving design of print ads and campaigns.

#### **ARGD 30603 - History of Graphic Design (3)**

Prerequisites: Graphic Design or Design Studies major and permission of Instructor. An introduction to the history of graphic design from prehistory to present.

#### **ARGD 30990 - International Residential Study (1.00-20.00)**

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.

#### **ARGD 31990 - International Residential Study (1.00-20.00)**

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.

#### **ARGD 34990 - International Residential Study (1.00-20.00)**

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#### **ARGD 38990 - International Residential Study (1.00-20.00)**

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#### **ARGD 39990 - International Residential Study (1.00-20.00)**

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.

#### **ARGD 40003 - Senior Honors Research (3)**

Prerequisite: ARGD 30003 or permission of instructor. Projects in design research and design history. Fulfills the requirement for an Upper-Division Design History Elective.

#### **ARGD 40143 - Senior Thesis in Visual Communication (3)**

Prerequisites: Senior standing in the Graphic Design Program, 3.0 GPA in major, permission of instructor and successful completion of ENGL 10803 and 20803. 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.

#### **ARGD 40203 - The Business of Design (3)**

Prerequisite: Permission of instructor. Exploration of business models used in creating a successful design-related business, such as an advertising agency. Research and course work will be supplemented with on-site visits to appropriate businesses.

#### **ARGD 40233 - Design Entrepreneurship (3)**

Prerequisites: Permission of Instructor. This course focuses on the utilization of design thinking to research, develop, and create and entrepreneurial design project from research to concept to execution.

#### **ARGD 40300 - Visiting Designers (3-6)**

Prerequisites: Advanced standing in the major and permission of instructor. Special problems in graphic design involving assignments from prominent design professionals in the community. 3-6 hours

#### **ARGD 40403 - Portfolio Enhancement (3)**

Prerequisites: ARGD 30323 and permission of the instructor. An individually-directed class with a focus on improving the quality of the student's portfolio.

#### **ARGD 40410 - Graphic Design Internship (3-6)**

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

#### **ARGD 40413 - Portfolio and Marketing (3)**

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.

#### **ARGD 40503 - The Digital Portfolio**

Prerequisites: ARST 20743, ARGD 30323 or permission of instructor. Introduction to techniques used in preparing a digital portfolio. Emphasis on three-dimensional imaging and environmental context.

#### **ARGD 40603 - History of Advertising Design (3)**

Prerequisites: ARHI 10043 or permission of instructor and successful completion of ENGL 10803 and 20803. Examines the complex historical relationship between society and advertising.

#### **ARGD 40970 - Special Problems (1-21)**

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.)

## **ARHI - Art History**

#### **ARHI 10043 - Introduction to Art History (3)**

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.

#### **ARHI 20003 - Classical Tradition in Art (3)**

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.

**ARHI 20013 - Egyptian Art (3)**

A survey of Egyptian art and architecture from the Pre-Dynastic period through the Roman Domination.

**ARHI 20063 - Medieval Art (3)**

A survey of major Medieval works - architecture, painting, sculpture, religious objects, and illuminated manuscripts - dating from the 3rd century through the 14th century.

**ARHI 20073 - British Art: Medieval-Modern (3)**

A survey of British Art from the Middle Ages through the Modern era.

**ARHI 20083 - American Indian Art (3)**

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.

**ARHI 20093 - Art of Mexico from 1500 to the Present (3)**

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.

**ARHI 20103 - 17th and 18th Century European Art (3)**

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.

**ARHI 20113 - A New World: Survey of American Art (3)**

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.

**ARHI 20303 - 19th and 20th Century Art (3)**

A survey of the traditions and significant changes that characterized the visual arts during this fertile period in the history of art.

**ARHI 20403 - Introduction to Visual Culture (3)**

An introduction to modes of critical inquiry in art history through the study of major works of art.

**ARHI 20503 - Survey Topics in Art History (3)**

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.

**ARHI 20603 - Art History on Site (3)**

This travel course surveys the visual arts from ancient times to the present by examining actual works of art and architecture on site.

**ARHI 20990 - International Residential Study (1.00-20.00)**

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.

**ARHI 30003 - Junior Honors Seminar (3)**

Studies in design research and design history.

**ARHI 30073 - Modern British Art (3)**

An examination of the visual arts of Britain, focusing on development of modernism in the nineteenth and twentieth centuries.

**ARHI 30113 - American Art to 1913 (3)**

Prerequisites: Successful completion of ENGL 10803 and 20803. A study of the visual arts from the colonial period to the advent of modernism with the Armory Show.

**ARHI 30123 - American Art, 1913 to the Present (3)**

A study of 20th-century visual arts in the United States.

**ARHI 30143 - Inka and Their Predecessors: Ancient South American Art (3)**

The course surveys the art and architecture of the major cultures of the Pre-Columbian central Andes (Peru, Bolivia, Ecuador, and Chile).

**ARHI 30153 - The Aztec, Maya, Olmec (3)**

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.

**ARHI 30163 - Maya Art and Architecture (3)**

This course is an in-depth study of the art and architecture of the ancient Maya.

**ARHI 30173 - Early Italian Renaissance Art (3)**

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.

**ARHI 30183 - High and Late Italian Renaissance Art (3)**

Prerequisites: Successful completion of ENGL 10803 and 20803. 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.

**ARHI 30193 - Northern Renaissance Painting: Van Eyck - Bruegel (3)**

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.

**ARHI 30203 - 17th Century Italian and Spanish Art (3)**

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.

**ARHI 30213 - Drawing as Artistic Invention (3)**

This history and technique of drawings from the 15th through 18th centuries. Emphasis on Leonardo, Raphael, Michelangelo, Elisabetta Sirani, Rubens and Rembrandt.

**ARHI 30323 - Eighteenth-Century Art (3)**

This course examines the visual and material culture of the global eighteenth century, with a particular focus on the relationship between art and Enlightenment thought, global exploration and trade, as well as other social and political changes of the period.

**ARHI 30333 - Modern Art I: Art in the Age of Revolution (3)**

Addresses major movements and issues in European art from 1789 to the 1880s.

**ARHI 30343 - Modern Art II: Modernism in an Age of Change (3)**

Addresses major movements and issues in European art from the 1880s to the 1940s.

**ARHI 30353 - Picasso: Artist of the Century (3)**

Examination of the art, life and influence of Pablo Picasso, who altered the course of the visual arts in our century.

**ARHI 30363 - 17th Century Flemish-Dutch Painting (3)**

A study of Netherlandish painting during the Golden Age of Rembrandt and Rubens.

**ARHI 30413 - Women and the Visual Arts, 1500-1800 (3)**

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.

**ARHI 30423 - Fashion and Identity in the Eighteenth Century (3)**

This course explores the relationship between fashion (broadly defined) and identity in eighteenth-century France and England. We will consider how conditions of manufacture and the commodification of clothing, make-up, and fashionable things engaged with ideologies of class and how fashion and shopping became gendered over the course of the century.

**ARHI 30500 - Special Topics in Art History (1.00-6.00)**

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

**ARHI 30510 - Special Topics in Art History (1.00-6.00)**

Prerequisites: Successful completion of ENGL 10803 and 20803. Writing Emphasis course on art historical topics and museum exhibitions and collections.

**ARHI 30600 - Art Study Abroad (1.00-12.00)**

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.

**ARHI 30603 - Contemporary Art (3)**

History, theory, and criticism of contemporary art in the United States.

**ARHI 30613 - Modern Architecture: 1750 to the Present (3)**

Architectural styles, movements, and personalities from 1750 to the present.

**ARHI 30623 - History of the Print (3)**

Examination of historical development of the graphic arts from earliest phases to modern prints.

**ARHI 30633 - Art in the Metroplex (3)**

Focus on exhibitions and collections in the Metroplex galleries and museums.

**ARHI 30823 - History of Photography (3)**

History of photography with emphasis on its development.

**ARHI 30963 - Art Historical Methods (3)**

Prerequisites: Art History major or minor of junior-standing or above, or permission of instructor. This seminar focuses on the current theories and methodologies employed by the discipline of art history in order to prepare students to undertake advanced work in art historical research and writing.

**ARHI 30990 - International Residential Study (1.00-20.00)**

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**ARHI 31990 - International Residential Study (1.00-20.00)**

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.

**ARHI 32990 - International Residential Study (1.00-20.00)**

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.

**ARHI 34490 - International Residential Study (1.00-20.00)**

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.

**ARHI 34990 - International Residential Study (1.00-20.00)**

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.

**ARHI 36690 - International Residential Study (1.00-20.00)**

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.

**ARHI 37990 - International Residential Study (1.00-20.00)**

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.

**ARHI 38990 - International Residential Study (1.00-20.00)**

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.

**ARHI 39990 - International Residential Study (1.00-20.00)**

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.

**ARHI 40003 - Senior Honors Research (3)**

Prerequisite: ARGD 30003 or permission of instructor. Projects in design research and design history. Fulfills the requirement for an Upper-Division Design History Elective.

**ARHI 40970 - Special Problems (1.00-21.00)**

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.)

**ARHI 40980 - Directed Study in Art History (3)**

Prerequisites: Permission of instructor and successful completion of ENGL 10803 and 20803. Study under faculty supervision which will emphasize writing. Weekly meetings with instructor. (3-6 semester hours, maximum 3 hours per semester.)

**ARHI 40993 - Art Professions Internship (3)**

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.

## ARLD - Architectural Lighting Design

**ARLD 10433 - Freshman Seminar in Architectural Lighting Design (3)**

Topics may vary each time it is offered.

**ARLD 20503 - Fundamentals of Lighting (3)**

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.

**ARLD 20513 - Digital Media in Lighting (3)**

Prerequisites: A grade of 'C' or better in ARLD 20503. This course is focused upon industry-specific digital media used in architectural lighting design. Students will learn how to utilize AutoCAD to create architectural lighting design documents, how to generate day lighting and electric lighting calculations through the AGI32 software, and how to craft renderings through a blending of by hand and digital renderings from AGI32 and Adobe Photoshop.

**ARLD 30003 - Honors Tutorial in Architectural Lighting Design (3)**

Prerequisite: Department 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. ARLD 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.

### **ARLD 30503 - Lighting and the Human Experience (3)**

Prerequisite: A grade of 'C' or better in ARLD 20503 and 20513. Students will delve into the interdisciplinary factors of lighting and the human experience. The course will draw from anthropology, psychology, neurobiology and sociology to explore how lighting is perceived and experienced by groups and individuals. Students participate in field studies, writing assignments, research projects, and presentations.

### **ARLD 30513 - Lighting for Interior Design I (3)**

Prerequisites: A grade of a 'C' or better in ARLD 20503 and 20513. This course will delve into lighting design for retail, residential, and hospitality project types. Students will conduct research by means of field studies. Design process will be explored through studio style lighting design projects.

### **ARLD 40003 - Senior Honors Project in Architectural Lighting Design (3)**

Prerequisite: Departmental major, enrollment in the Honors Program and completion of ARLD 30003. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. ARLD 40003 must be completed prior to the student's final semester of undergraduate work. May be based on subject matter explored in ARLD 30003.

### **ARLD 40503 - Lighting for Interior Design II (3)**

Prerequisites: A grade of 'C' or better in ARLD 20503 and 20513. This course will delve into lighting design for commercial interiors and healthcare project types. Students will conduct research by means of field studies. Design process will be explored through studio style lighting design projects. The semester will culminate with participation in a lighting design competition.

### **ARLD 40513 - Senior Thesis in Lighting (3)**

Prerequisites: A grade of 'C' or better in ARLD 20503 and 20513 is required. Students will conduct independent research and a design project with specific focus into a lighting topic associated with in the built and/or natural environment.

### **ARLD 40970 - Special Problems (1.00-6.00)**

Prerequisites: Permission of Instructor. Hours to be arranged. Special problems requiring independent research and study within a related area, or field experience in design. (1-6 semester hours)

## **ARLE - Arts Leadership**

### **ARLE 20103 - Introduction to Arts Leadership and Entrepreneurship (3)**

This is the prerequisite introductory course for all ARLE courses. This course introduces many aspects of arts leadership and entrepreneurship, including: mission, vision, and values, nonprofit/public organizational leadership and management, planning and evaluation, financial management, fundraising and development, managing staff and volunteers, audience development, community engagement, programming, marketing and public relations, arts entrepreneurship, and working in the arts sector. The course also introduces students to the nonprofit sector and the current issues and trends affecting arts organizations, such as diversity, multiculturalism, inclusion, and access to the arts.

### **ARLE 30103 - Leadership, Dynamics and Planning in the Arts (3)**

Prerequisites: ARLE 20103. This course covers a number of essential components of leading complex arts organizations, including organizational dynamics and systems, balancing multiple priorities, resources, facilities and functions, developing staff and volunteers, working with unions, and coordinating projects. This course explores effective leadership practices, strategic planning, organizational change, development and learning, human resources management and effective teams. Students develop leadership competencies and skills.

### **ARLE 30203 - Financial Management and Fundraising in Arts Organizations (3)**

Prerequisites: ARLE 20103. This course covers two important areas of leading a nonprofit arts organization or managing your own artistic career. Financial management includes establishing internal controls,

risk management, accounting and financial information systems and professional standards, financial statements, budgets, endowments and restricted funds, earned income, and external reporting through audits and the 990, and tax laws for nonprofits arts organizations. Fundraising and development include trends and motivations of donors to arts organizations, the board's fundraising responsibility, fundraising campaigns, and support systems, planned giving programs, donor relationships, grant writing and management, and fundraising ethics and professional standards.

### **ARLE 30303 - Audiences, Community, Programs and Marketing in Arts Organizations (3)**

Prerequisites: ARLE 20103. Arts organizations are increasing their focus on the public dimension of their operations to establish and maintain relevancy. This public service mandate means building and serving multiple audiences and moving towards civic engagement through addressing relevant needs, building partnerships and collaborations and becoming social entrepreneurs. Successful arts organizations understand audience learning, rights, and social needs, and they deliver exemplary customer service. They utilize interpretive tools, narratives and story, and multiple perspectives as they develop, manage, and evaluate a menu of program offerings and events. The marketing and public relations section of the course covers marketing fundamentals (product, price, promotion, place), consumer behavior, marketing segmentation, branding, effective messaging and communication, and building relationships with media, businesses, government, and community.

### **ARLE 30403 - The Creative Economy (3)**

Prerequisites: ARLE 20103. What opportunities are available to work in the Creative Economy? What knowledge and skills are required to thrive in a creative economy organization or create and successfully manage your own creative business? This course explores the economic, political, and social environment for the arts and the creative economy. More specifically, the course covers what entrepreneurship means in arts organizations, including the production and presentation of art, utilizing creative thinking and innovation practices to solve many types of problems, and the importance and potential of technology in the creative process. The course also explores entrepreneurship fundamentals and best practices, design thinking and group dynamics approaches, and the steps involved in creating an arts or creative venture.

### **ARLE 40103 - Arts Leadership and Entrepreneurship Experience (3)**

Prerequisites: This course is the CAPSTONE course for the ARLE minor. Students should have completed the full sequence of their ARLE courses before taking this course. In this capstone course, students apply their cumulative knowledge and skills in arts leadership and entrepreneurship to a real arts organization project on the TCU campus or in a local arts organization, for example, a strategic plan, business plan, showcase, or thesis. Students interested in creative entrepreneurship would create a new venture or apply best practices to revitalizing an existing arts organization, on campus or in the community. Students learn to set goals and objectives, work effectively in teams, design project work to respond to client needs, manage budgets and resources, and meet competing deadlines in a fast-paced environment mirroring real life work as an arts entrepreneur or arts leader. They also utilize best practices in project evaluation as they assess the results of their course project(s) and their team processes.

### **ARLE 40903 - Internship in Arts Leadership and Entrepreneurship (3)**

Students complete an internship in an arts organization on campus or in the local community, 10-12 hours per week for 15 weeks, totaling 150 hours. Students will also meet monthly with the ARLE program director.

## **ARST - Studio Art**

### **ARST 10013 - Creative Thinking and Making Stuff (3)**

This introductory course presents students with a range of studio art experiences that will develop their skills in creating, analyzing, and appreciating art. This class is designed to prepare students from all disciplines university-wide (including non-art majors) to solve problems creatively and to develop critical thinking skills that will act as a lens to understand diverse perspectives. While the specific art media will rotate each semester, this class consistently explores Material, Process, Ideation, and Time as core components in creative practice.

**ARST 10103 - Drawing I (3)**

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.

**ARST 10113 - Drawing II (3)**

Prerequisite: ARST 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.

**ARST 10123 - Design and Color (3)**

Study and application of basic principles of creative design.

**ARST 10133 - Three Dimensional Design (3)**

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.

**ARST 20143 - Painting (3)**

Prerequisites: ARST 10103, 10113. Basic painting procedures in oil and/or acrylic mediums. Introduction to techniques and material use.

**ARST 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.

**ARST 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.

**ARST 20183 - Intro to Printmaking (3)**

Introduction to basic printmaking processes of screenprinting, relief, and intaglio (etching). Emphasis on creative use of materials and techniques.

**ARST 20213 - Ceramics (3)**

Introduction to materials, methods and firing techniques. Wheel thrown and hand-built ceramics.

**ARST 20243 - Sculpture (3)**

Prerequisite: ARST 10133. Basic introduction to concept and creation of sculpture with emphasis on bronze casting, welded steel, ceramics and wood.

**ARST 20503 - Video Art: Beginning New Media (3)**

An introduction to the concepts, tools and techniques of new media. Students will explore several forms of time-based media while studying related historical and contemporary artists.

**ARST 20743 - Photography (3)**

Basic introduction to equipment, materials and processes of photography. Emphasis on creative use of materials and visual imagination.

**ARST 20970 - Intermediate Studio (1.00-20.00)**

Maximum 3 hours per semester. Directed individual problems to strengthen fundamental knowledge and skills required for advanced studio courses. 1-6 hours.

**ARST 20990 - International Residential Study (1.00-20.00)**

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.

**ARST 30003 - Junior Honors Seminar (3)**

Studies in design research and design history.

**ARST 30100 - Life Studies (1.00-21.00)**

Prerequisite: ARST 21103 (20100) or permission of instructor. Continuation of ARST 21103 (20100). (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.

**ARST 30140 - Advanced Painting (1.00-21.00)**

Prerequisite: ARST 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.

**ARST 30150 - Artists' Books (1.00-21.00)**

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.

**ARST 30160 - Printmaking (Etching)**

Prerequisites: ARST 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.

**ARST 30170 - Advanced Print Media (1.00-21.00)**

Prerequisites: ARST 20163 or 20173 or 20183, or permission of instructor. Advanced printmaking techniques employed in multiple printmaking processes (relief, intaglio, silkscreen, lithography, and digital) as well as exploration of contemporary trends within the print media field. Individual development of expression is emphasized through independent projects. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ARST 30180 - Advanced Printmaking (Screen printing)**

Prerequisites: ARST 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.)

**ARST 30210 - Advanced Ceramics (1.00-21.00)**

Prerequisite: ARST 20213 or permission of instructor. Advanced ceramic technique; clay bodies, glazes, kiln operation, raku. (More than 3 hours per class requires permission of instructor. May be repeated up to 21 hours.)

**ARST 30220 - Ceramic Sculpture (1.00-21.00)**

Prerequisite: ARST 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.

**ARST 30233 - Exploring Animal Imagery (3)**

This course gives students the opportunity to better understand animals and our relationships with them by producing hands-on animal imagery using a variety of media and artistic techniques, including drawing, ceramics, and sculpture.

**ARST 30240 - Advanced Sculpture (1.00-21.00)**

Prerequisites: ARST 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.)

**ARST 30303 - Into the Small: Little Animals in Art, Culture, and Museums (1.00-21.00)**

Why do many people love butterflies, but fear bats? In "Into the Small" we will explore questions like these using multiple senses and cross-cultural perspectives, and then produce artworks in the contexts of galleries and museum exhibits to share what we find out.

**ARST 30510 - 3D Modeling and 3D Printing: Advanced New Media (3)**

Prerequisites: ARST 20503 or permission of instructor. An advanced exploration of the concepts, tools and techniques of new media. This course will explore the creation of digital sculptures, virtual worlds, and experimental studies with fabrication technology.

**ARST 30610 - Interactive Robotics and Kinetic Sculpture: Advanced New Media (3)**

Prerequisites: ARST 20503. An advanced exploration of the concepts, tools and techniques of new media. This course will explore the Arduino microcontroller and its ability to control our physical world. Students

will learn how to control motors, read environmental sensors, and utilize fabrication technologies such as laser engraving and 3D printing.

**ARST 30710 - Color Photography (3)**

Prerequisite: ARST 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.)

**ARST 30720 - Landscape Photography (1.00-21.00)**

Prerequisite: ARST 20743 or permission of instructor. Techniques, methods for producing photographs under outdoor and field conditions. Emphasis on history and practice of landscape photography, its role in the history of the American West and its position in contemporary American Art Photography. (More than 3 hours per classes requires permission of instructor. May be repeated up to 21 hours.)

**ARST 30743 - The Photographic Portrait (3)**

Prerequisite: ARST 20743 or permission of instructor. Portrait photography fundamentals including lighting, equipment, social and psychological aspects of human representation, and business aspects of professional photography.

**ARST 30760 - Alternative, Non-Silver Photo Processes (1.00-21.00)**

Prerequisites: ARST 20743. 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.)

**ARST 30770 - Documentary Photography (1.00-21.00)**

Prerequisites: ARST 20743 and ARST 30710 or permission of instructor. An exploration 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.)

**ARST 30780 - Stages, Fabricated and Directed Studio Photography (1.00-6.00)**

Prerequisites: ARST 20743 or permission of instructor. An exploration of the concepts, tools, and techniques of studio art photography. All photographs for this class will be staged, fabricated and directed. (More than 3 hours per class requires permission of instructor. May be repeated with permission of instructor up to 21 hours.)

**ARST 30790 - Interactive Media for Artists (1.00-21.00)**

Prerequisites: ARST 20743 and ARST 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.)

**ARST 30903 - Seminar in Art Professions (3)**

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.

**ARST 30913 - Seminar in Art Criticism and Theory (3)**

Prerequisites: Junior standing in Art or instructor permission and successful completion of ENGL 10803 and 20803. An exploration of major approaches to art criticism and theory with emphasis on developments since 1900.

**ARST 30933 - Feminist Concepts and Strategies in Studio Art (3)**

This is a hybrid course that combines theory and practice in the study of feminism and visual art making. This course investigates the distinctive ways feminist ideas can be expressed through multiple visual art media. Through readings, class discussions, and hands-on art projects, students will study examples of feminist art, feminist theory and criticism, and art production. Experimentation with visual media is informed by a feminist perspective and critique.

**ARST 30990 - International Residential Study (1.00-20.00)**

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.

**ARST 31990 - International Residential Study (1.00-20.00)**

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.

**ARST 34990 - International Residential Study (1.00-20.00)**

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.

**ARST 37990 - International Residential Study (1.00-20.00)**

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.

**ARST 38990 - International Residential Study (1.00-20.00)**

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.

**ARST 39990 - International Residential Study (1.00-20.00)**

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.

**ARST 40003 - Senior Honors Research (3)**

Prerequisite: ARGD 30003 or permission of instructor. Projects in design research and design history. Fulfills the requirement for an Upper-Division Design History Elective.

**ARST 40553 - Zoo Animal Enrichment (3)**

Prerequisites: Junior standing. This is a team-taught course between Environmental Science and Studio Art. In this course students will explore the ecology and behavior of wild animals to provide insights into the types of stimuli they naturally encounter. These insights will then be used to develop and build objects and structures that will engage and enrich the lives of animals at the Fort Worth Zoo. Students will work in teams to study a specific species currently residing at the zoo and create objects and structures that will enhance their lives in captivity. (Crosslisted as ARST 40553)

**ARST 40710 - Advanced Digital Photography (1.00-21.00)**

Prerequisites: ARST 20743 or permission of instructor. An exploration 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.)

**ARST 40893 - Senior Art Exhibition (3)**

Prerequisite: ARST 30903, 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.

**ARST 40970 - Special Problems (1.00-21.00)**

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.)

**ARST 40991 - Senior Exhibition (1)**

All majors are required to exhibit selected work from their concentration. The successful completion of this requirement is a prerequisite for graduation.



## ART - Art

### 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.

## ASST - Asian Studies

### ASST 20003 - Introduction to Asian Studies (3)

This course is an introduction to the themes and intellectual approaches that comprise the broad field of Asian Studies. It is an interdisciplinary course that aims to introduce students primarily to the study of the peoples and cultures of East and South Asia.

### ASST 30013 - Asian Cultures, Politics, and Societies through Media (3)

This course explores the representations of culture, politics, society, and identity in a variety of films and other visual culture media (such as television, social media, literature, and music) from Asia. During the semester students will engage a breadth of media representations pertaining to Asia to study the development of different Asian civilizations in a historical and transnational context on some of the key issues facing these countries today.

## BIOL - Biology

### BIOL 10003 - Contemporary Issues in Biology (3)

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 10501 - Introductory Biology Lab I (1)

One laboratory period per week. This laboratory is an inquiry-based course that provides an introduction to investigative techniques in biology and skills required for the analysis and presentation of scientific findings. Throughout the course there will be a focus on molecules through cells. This course is required for each student declaring a major interest in Biology and/or with an interest in pre-health programs.

### BIOL 10503 - The Unity of Life: Molecules to Cells (3)

Prerequisite: A senior high school course in Biology or Chemistry. This course is an introduction to the inner workings of cells, with the theme of examining the common biomolecular foundation of all living things. Topics include the basic principles of evolution, the molecular organization, structure, and function of cells, the cell cycle (including mitosis and meiosis), gene expression, metabolism, and Mendelian and molecular genetics. This course is designed for science majors.

### BIOL 10511 - Introductory Biology Lab II (1)

One laboratory period per week. This is a laboratory 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, anatomy, physiology, and taxonomy. This course is required for each student declaring a major in Biology and/or with an interest in pre-health programs.

### BIOL 10513 - The Diversity of Life: Organisms to Ecosystems (3)

Prerequisite: A senior high school course in Biology or Chemistry. This course is an introduction to the workings of organisms (prokaryotes, protists, fungi, plants, and animals), with the theme of exploring the variety of solutions that have arisen in living things in response to the challenges of life. Topics include the principles of evolution, population genetics, speciation, biological systematics, reproduction, homeostasis, and physiology across various branches of life. This course is designed for science majors.

### BIOL 10523 - Introduction to Biological Investigation (3)

This is an inquiry-based laboratory course that provides an introduction to investigative techniques in biology and practice in the analysis and presentation of scientific findings. The topics investigated span the full scope of biology, from molecules and cells through populations and ecosystems. The course consists of one credit hour of lecture and two credit hours of lab, and is designed for science majors.

### BIOL 10970 - Special Problems: Lower Division (1.00-20.00)

Special problems.

### BIOL 20204 - Anatomy and Physiology (4)

Prerequisite: limited to students who are majoring in Nursing (not Nursing pre-majors) and students whose first major is Kinesiology (not Kinesiology minors). 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, muscular systems and nervous systems. This course is intended for science majors that require Anatomy and Physiology as a prerequisite for application to graduate or professional school as well as Nursing, Health and Fitness, and Athletic Training majors.

### BIOL 20214 - Anatomy and Physiology (4)

Three hours lecture and one laboratory period per week. Prerequisite: BIOL 20204 with a grade of C or better and permission of instructor. Structure and function of the nervous, circulatory, digestive, respiratory, excretory, reproductive and endocrine systems of the human body. This course is intended for science majors that require Anatomy and Physiology as a prerequisite for application to graduate or professional school as well as Nursing, Nutrition, Health and Fitness and Athletic Training majors.

### BIOL 20234 - Microbiology of Human Disease (4)

Three 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. This course is intended for Nursing, Nutrition, and Secondary Education Life Science majors or majors that require microbiology for professional school. This course cannot be applied to the Biology major and is not intended for pre-health students applying to professional schools such as medical, dental, physician's assistant or veterinary schools. Credit will not be given for both BIOL 20234 and 30304.

### BIOL 20990 - International Residential Study (1.00-20.00)

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 (3)

Prerequisites: BIOL 10501, 10503, 10511 and 10513. 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 - Invertebrate Biology (4)

Prerequisites: BIOL 10503 and 10513. Three hours lecture and one laboratory period per week. Study of the diversity of invertebrate animals including their morphology, physiology, development, evolution, and natural history. Emphasis on their role as model organisms in biological and biomedical research.

### BIOL 30233 - Economic Botany (3)

Prerequisite: 10501, 10503, 10511, 10513. The economic importance of plants for food, building, material, clothing, fuel, medicine, oils, dyes and other products.

### BIOL 30304 - Microbiology (4)

Prerequisite: BIOL 10503, 10513 and 10501 or 10523. A general course in microbiology intended for Biology majors or pre-health students applying to professional schools such as medical, dental, physician's assistant or veterinary schools. Three hours lecture and one laboratory period per week. Credit will not be given for both BIOL 20234 and 30304.

### BIOL 30324 - Introduction to Marine Science (4)

Prerequisites: BIOL 30403 or ENSC 30133 Three hours lecture and one laboratory period per week. An Interdisciplinary exploration of the biology, chemistry, geology, physics, and human use of the ocean and its resources. This course is recommended for students with a major interest in the life and earth sciences. (Crosslisted as BIOL/ENSC 30324)

### BIOL 30403 - Ecology and the Environment (3)

Prerequisites: BIOL 10503, and 10513. 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 (4)**

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 30414 - Human Anatomy (4)**

Prerequisites: Biol 10513 and Biol 10511 or 10523. Three hours lecture and one laboratory period per week. Study of structure and functional significance of tissues, organs, and organ systems in the human body, with attention to selected disease processes. Students will develop an understanding of human anatomy that will prepare them for graduate or medical gross anatomy courses. Credit will not be given for both BIOL 30414 and either 20204 or 20214.

**BIOL 30463 - Introductory Neuroscience (3)**

Three hours lecture 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. (Crosslisted as BIOL/PSYC 30463.)

**BIOL 30504 - Plant Biology (4)**

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 (3)**

Prerequisites: BIOL 10503, and 10513; CHEM 10113. 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 (3)**

Two hours lecture and one 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 (3)**

Two hours lecture and one laboratory period per week. Characteristics of the major groups and families of flowering plants. Basic history and general principles of taxonomy and fundamental concepts of phylogeny and plant evolution. Identification of plants represented in the local flora.

**BIOL 30803 - Human Parasitology (3)**

Prerequisites: BIOL 10503 or 10513. In this course, human ecto- and endo-parasites will be discussed along with their associated diseases. Students will gain knowledge of parasite life cycle, molecular mechanisms of entry, mechanisms of immune evasion and current and potential therapies. Public health strategies for control and elimination of parasitic diseases will also be explored.

**BIOL 30843 - Biomedical Imaging (3)**

Prerequisites: PHYS 20484 or 20485 or 10164. An introduction to image formation for molecular and medical applications. This course covers the fundamentals of optic, x-ray and MRI, image creation, detectors, basics of image processing, quantitative analysis and a variety of applications in biophysics and in medicine. Includes off-campus lab work. (Crosslisted as BIOL/PHYS 30843.)

**BIOL 30990 - International Residential Study (1.00-20.00)**

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**BIOL 33990 - International Residential Study (1.00-20.00)**

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 36690 - International Residential Study (1.00-20.00)**

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 36990 - International Residential Study (1.00-20.00)**

**BIOL 39990 - International Residential Study (1.00-21.00)**

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 (1)**

Honors Seminar. May be repeated for credit when the topic changes.

**BIOL 40011 - Honors Seminar**

Honors Seminar.

**BIOL 40033 - Senior Honors Research in Biology (3)**

This course is only for students in the Honors College. Field and laboratory research experiences for advanced students. Nine clock hours per week are required for a total of 135 hours. The results will be written in the form of a senior honors research thesis to be presented to the Honors College. A student may receive credit for this course only one time. Credit will not be given for both 40033 and 40803 for the same project. This course will count as one laboratory course towards the B.S. degree in biology.

**BIOL 40111 - Topics in Medicine (1)**

Prerequisites: BIOL 30603. The focus of this one-hour course is on a variety of topics relevant to students who are interested in careers in the health professions. The course may not be repeated for credit.

**BIOL 40123 - Genetics (3)**

Prerequisites: BIOL 30603. Three hours lecture per week. Survey course in the study of mechanisms of inheritance with particular emphasis on molecular genetics.

**BIOL 40131 - Molecular Biotechnology Laboratory Techniques (1)**

Prerequisites: BIOL 30603. A one credit hour laboratory course (one laboratory period a week). After completion of the course the student will develop an understanding of concepts and techniques currently in use in molecular biology and biotech research laboratories and will learn how to use basic bioinformatics tools to analyze DNA sequences.

**BIOL 40133 - Molecular Basis of Human Disease (3)**

Prerequisites: BIOL 30603; CHEM 30123 (or concurrent enrollment) or permission of instructor. A study of the molecular mechanisms of human disease with an emphasis on the role of intracellular signaling events on the manifestation of disease, gene expression/regulation, the structure and function of macromolecules, cell growth and differentiation, and biotechnology based solutions to treatment.

**BIOL 40143 - Genetics Laboratory (3)**

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 (3)**

Prerequisites: BIOL 10501, 10503, 10511, 10513, 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 - Avian Biology (3)**

Prerequisites: Six semester hours in Biology. This course consists of two one-hour lectures and one three-hour laboratory each week. Lectures cover the evolution, anatomy and physiology, life histories, behaviors, and conservation of birds. The laboratory portion of the course includes identifying birds with molecular methods and field trips to identify common species of Texas birds. Five Saturday morning field trips are required.

**BIOL 40173 - Mammalogy (3)**

Prerequisites: six semester hours in Biology. Two hour lectures and two hours of laboratory per week. This course introduces advanced undergraduate students to mammals. Lectures will examine the major topics of mammalian biology, including the evolutionary history, classification, adaptations, ecology, and natural history of mammals. Field techniques for the study of mammalian biodiversity and abundance will also be covered in this course. Field trips will be required. (Crosslisted as BIOL/ENSC 40173.)

**BIOL 40203 - Histology (3)**

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 40224 - Developmental Biology (4)**

Prerequisite: BIOL 30603 or permission of the instructor. Three 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 40254 - Immunology (4)**

Prerequisites: C- or better in BIOL 30603, or permission of instructor. Three 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 40263 - Immunobiology of Disease (3)**

Prerequisite: BIOL 30304 or BIOL 40254. This lecture-based course features current research in Immunology that focuses on how manipulations of the innate or adaptive immune system can modulate disease states. This includes how microbes overcome immune defenses, failures in immune system function and how the immune system can be therapeutically modified to treat disease.

**BIOL 40273 - Genomics (3)**

Prerequisite: BIOL 40123. This class will consist of two hours of lecture and one laboratory per week. The course focuses on the ways in which information at the genome level has become integral to Biology. The labs are designed to give students hands on experience analyzing genomic data to ask and answer specific questions. Contemporary primary literature will be discussed.

**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 40303 - Medical Microbiology (3)**

Prerequisite: Permission of the instructor. This course focuses on advanced topics in medical microbiology including disease mechanisms of major human pathogens, the host response, and antibiotic development and resistance. Scientific approaches used to investigate these topics are emphasized through reading and discussion of the primary literature.

**BIOL 40313 - Biogeography (3)**

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 40320 - Teaching of Introductory-Level Biology (1.00-4.00)**

Prerequisite: Written permission of the instructor of the course in which the student plans to serve. Students serve as laboratory instructors of one section per week in introductory-level biology courses. Students receive 1 credit for serving as laboratory instructors for one section per week and one additional credit for each three hours of additional duties per week including laboratory staff meetings. May be repeated once.

**BIOL 40330 - Teaching of Advanced Biology (1.00-4.00)**

Prerequisite: Written permission of the instructor of the course in which the student plans to serve. Students receive one credit hour for serving as laboratory instructors of one section per week and one additional credit hour for each three hours of additional duties per week including laboratory staff meetings. This course is intended only for undergraduate Teaching Assistants in courses above the freshman level. Not to exceed six hours credit on the major and eight hours credit total.

**BIOL 40353 - Wildlife Ecology and Management (3)**

Prerequisite: Six semester hours in Biology. Two hour lectures and a three hour laboratory each week. This discussion-oriented course introduces advanced undergraduate students to the general principles of wildlife ecology and how those principles can be applied to wildlife management and conservation. The objectives of this course are 1) to provide an introduction to the major concepts of Wildlife Ecology and Management and 2) to allow you to learn the application of the scientific method to ecological problems. Laboratory exercises are required. (Crosslisted as BIOL/ENSC 40353)

**BIOL 40403 - Mammalian Physiology (3)**

Prerequisites: BIOL 30603 with a C or better 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 40453 - Principles of Toxicology (3)**

Prerequisites: BIOL 40403. This course focuses on the underlying principles of toxicology including dose-response curves, routes of contaminant exposure, contaminant fate in the environment and in organisms, and xenobiotic metabolism. Discussions of both historical and contemporary primary literature will be used to explore the specific effects of contaminants on various physiological systems.

**BIOL 40473 - Vertebrate Endocrinology (3)**

Prerequisite: BIOL 40403. Two hours of lecture and one laboratory period per week. The course will focus on the structure and function of hormone signaling systems in vertebrate organisms. Contemporary primary literature will be discussed and the laboratory will expose students to the experimental design and methods utilized in modern endocrinology research.

**BIOL 40503 - Basic Biochemistry (3)**

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. Available for chemistry credit only to majors in Nutritional Sciences. (Crosslisted as BIOL/CHEM 40503.)

**BIOL 40513 - Fundamentals of Biochemistry (3)**

Prerequisites: CHEM 30123 and C- or better in BIOL 30603, or permission of instructor. Three hours of lecture per week. The structures, properties, and functions of biological molecules (proteins, nucleic acids, lipids, and carbohydrates), with emphasis on analysis techniques and relation to physiology.

**BIOL 40523 - Structural Biology of Drug Design (3)**

Prerequisites: BIOL 40513 or BIOL/CHEM 50133 or equivalent course. Two hours of lecture and two hours of laboratory per week. Students will learn structural biology techniques important for designing pharmaceuticals and design a drug to their favorite protein target. Crosslisted as BIOL/CHEM 40523.

**BIOL 40603 - Virology (3)**

Prerequisites: BIOL 30603 or permission of instructor. Three hours lecture per week. Survey of viruses, molecular biology of virus life cycles, viral pathogenesis and gene therapy using viral vectors.

**BIOL 40703 - Global Perspectives in Health (3)**

Prerequisites: 6 credit hours of Biology or equivalent. 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. Usually taught in summer abroad program. (Cross-listed as BIOL 40703/NURS 30063/ENSC 40203)

**BIOL 40800 - Special Topics in Biology (3.00-4.00)**

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 (3)**

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. A student may receive credit for this course only one time. Credit will not be given for both BIOL 40803 and BIOL 40003 for the same project. This course will count as one laboratory course towards the B.S. degree in biology.

**BIOL 40900 - Independent Research in Biology (1.00-3.00)**

Field and laboratory problems for advanced students. Three clock hours per week of laboratory and/or field work are required for each semester hour of credit, for up to three semester hours credit in any given semester. This course can be repeated or taken in combination with 40803 or 40033. This course will count as one laboratory course towards the B.S. degree in biology.

**BIOL 40911 - Discussions in Biological Research (1)**

Prerequisites: Instructor permission. This course focuses on current scientific research in biology including discussions of primary literature and presentations of active research projects. This course may be repeated. May only be taken P/NC. This course cannot be applied toward the course requirements for the biology major or minor.

**BIOL 41000 - Senior Assessment (0)**

Prerequisites: Senior standing as a biology major with an Intent to Graduate on file in the Dean's Office. One class session. Graduating seniors enrolled in this course will complete the exit exam required of biology majors. May only be taken P/NC.

**BIOL 50103 - Terrestrial Ecosystems (3)**

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 (3)**

Prerequisites: BIOL 30403 and 30603 or permission of instructor. Two hours lecture and two hours of computer lab per 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 I (3)**

Prerequisite: CHEM 30133 and 40123 or permission of instructor. Three hours lecture per week. A general survey of structure and function of biologically important compounds with methods of analysis. (Crosslisted as BIOL/CHEM 50133.)

**BIOL 50143 - Biochemistry II (3)**

Prerequisite: BIOL/CHEM 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. (Crosslisted as BIOL/CHEM 50143.)

**BIOL 50153 - Medicinal Chemistry (3)**

Three hours lecture per week. Prerequisites: BIOL/CHEM 50143, or permission of instructor. Molecular mechanism of drug actions, and methods of drug design, discovery and development. (Crosslisted as BIOL/CHEM 50153.)

**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 (3)**

Three hours lecture per week. Prerequisite: BIOL 10501, 10503 10511 and 10513. Concepts and principles of organic evolution. Topics include natural selection, adaptation, quantitative genetics, sexual selection, kin selection, life history characters, speciation, and phylogeny.

**BIOL 50401 - Neurobiology of Aging (1)**

Prerequisites: permission of instructor. The current literature associated with the neurobiology of aging, modern research techniques and recent developments in neuroscience and aging research are discussed. This is a participation course in which advanced undergraduate and graduate students will present manuscripts, explain research hypotheses and methodologies and explain results. Open discussion of these papers will include faculty from Biology and Psychology. Topics presented will differ by semester. The course may be repeated three times (taken a maximum of four semesters in all.) (Crosslisted as BIOL/PSYC 50401.)

**BIOL 50463 - Functional Neuroanatomy (3)**

Prerequisite: Graduate or senior standing or permission of instructor. The fundamentals of functional neuroanatomy and neurophysiology with an emphasis on experimental and theoretical analysis of the basic brain behavior relationships. (Crosslisted as BIOL/PSYC 50463.)

**BIOL 50502 - Biochemistry Laboratory (2)**

Two four-hour laboratory periods per week. Prerequisite: CHEM 50143 or concurrent registration. (Crosslisted as BIOL/CHEM 50502)

**BIOL 50703 - Ecology of Lakes and Streams (3)**

Prerequisite: BIOL 30403 or permission of instructor. Two hours lecture and one laboratory period per week. Study of the physical, chemical and biological factors affecting the ecology of lakes, ponds and streams.

**BIOL 50803 - Marine Biology of the Tropics (3)**

Prerequisite: Six semester hours in Biology; travel costs are exclusive of tuition. This course provides an introduction to the marine animals, plants, and ecosystems of the New World tropics. Lecture topics will include tropical oceanography and ecosystems, evolutionary patterns in the tropics, island biogeography, and conservation of marine biodiversity. The field experience will expose students to coastal marine ecosystems (coral reefs, mangroves, beaches, and seagrass beds). Two hours lecture per week, one week of field work in the tropics.

**BIOL 50903 - Tropical Biology (3)**

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)**

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.)

## BRST-Brit-Col-Post-Col-Studies

**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.)

## **BUSI - Business**

#### **BUSI 10013 - Contemporary Perspectives in Business (3)**

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 10151 - Business Skills Development (1)**

Prerequisites: Concurrent enrollment in BUSI 10153. This course is designed to assist students in discovering the wide range of professional opportunities ahead of them. Students will engage in powerful self-assessments, use a variety of skills to continuously expand their opportunity spectrums, learn how to overcome obstacles, conduct effective research, and also experience a first-hand taste of different potential careers.

#### **BUSI 10153 - Business in Society (3)**

Prerequisites: Must be a Pre-Business major. Business is an increasingly impactful participant in our lives. Business affects society and society affects business. This course is designed to provide business majors a broad perspective on what business is, how it fits into the rest of society, and how the study of business connects with the rest of their learning as a liberally educated student at TCU. In the practice of business, there are seldom right answers to important questions. The ability to identify alternative approaches and to find, explain, and defend the best one is a key skill for the study and practice of business. This course focuses on developing these critical thinking skills.

#### **BUSI 10970 - Special Topics in Business**

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

#### **BUSI 20173 - Foundations in Business (3)**

3 hours. Prerequisites: Sophomore standing, 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 20283 - Global Business Practicum: Focus on International Business (3)**

Prerequisite: Must be a business major. The course is designed to give students an opportunity to experience first-hand the complexities, challenges, and opportunities of global business, with particular emphasis on the country outside the United States. Students will be assigned a project with an international company and will be responsible for experiential learning about global business.

#### **BUSI 20383 - Global Business Perspectives (3)**

Prerequisite: Must be a business major. This course focuses on global business and developing a global mindset from an intellectual, psychological and social perspective. Topics include the global mindset framework, unique characteristics of the global trade environment, globalization of the economy, the role of culture in global business, and

financial and regulatory implications for global business. The student will engage in a cross-cultural experience.

#### **BUSI 20970 - Special Topics in Business (1.00-6.00)**

Prerequisite: Must be a business major. Special Topics in Business. (1-6 semester hours) This course may be repeated for credit.

#### **BUSI 20990 - International Residential Study (1.00-6.00)**

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 30153 - Ethical Decision Making (3)**

Prerequisites: Junior standing, MANA 20153 and must be a 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 30223 - International Business Study Abroad Honors (3)**

Prerequisite: Neeley Fellows, junior standing. This course entails the examination of both macro and micro issues from a multidisciplinary integrative perspective to provide a broad understanding of the fundamental components of international business. The overall goal in this course is to provide students with a comprehensive exposure to, and understanding of, the complex nature of the scope, nature, opportunities, and problems involved in conducting business in a dynamic global environment

#### **BUSI 30383 - Global Business with an Ethical Lens (3)**

Prerequisite: BUSI 10153 and must be a pre-business or business major. This course focuses on ethical global business and developing a global mindset from an intellectual, psychological and social perspective. Topics include the global mindset framework, unique characteristics of the global trade environment, globalization of ethical decision making, the role of culture in global business, and responsible, financial and regulatory implications for global business. The student will engage in a cross cultural experience including ethical reflection.

#### **BUSI 30703 - Survey of the Energy Industry (3)**

A general, semi-technical orientation of the Oil, Gas and Power industries including the origins and overview of the O&G industry, explanation of exploration and production (E&P) processes, logistics, value chain, and the marketing of petroleum, natural gas, and power. Class material will be presented by textbook and guest lecturers.

#### **BUSI 30833 - Foundations of Leadership (3)**

3 hours. Prerequisite: 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)**

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 (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (1.00-3.00)**

Variable credit hours 1-3. Course may only be taken for a maximum of three credit hours. Pass/No Credit grade type only. Prerequisites: Must be a declared Business major or Finance or Accounting minor, 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 40301 - Business Honors Seminar (1)**

Prerequisites: Honors section of MANA 30153 or equivalent. Must be a business major; senior standing; mandatory thesis workshop in spring Junior year or summer before Senior year. This one credit course in the Neeley School of Business will provide direction and instructional tools for students to complete a senior honors thesis in their major department. The goal of the course will be to develop the first part of the thesis (introduction, literature review, research questions/hypothesis), prepare for data collection if applicable, and make significant progress toward the end product due in the spring. This course is offered in the fall semester only for spring graduates.

#### **BUSI 40351 - Personal Financial Literacy (1)**

Prerequisites: Must be a Junior or a Senior standing. An introduction to basic financial literacy. This course will prepare students for lifelong financial success after college by providing them with a foundational knowledge in a number of key topics including: how to create a budget, to buy or lease a car, creating an emergency fund, investment fundamentals, importance of credit scores and much more.

#### **BUSI 40440 - Thesis Foundations (1)**

1 credit hour. Prerequisites: Must be pursuing Departmental Honors in a Neeley School major. This course introduces students to the research process and its component steps to assist them with successful completion of their senior honors thesis project.

#### **BUSI 40723 - Electric Power Industry (3)**

A semi-technical study of the electric utility industry, which focuses on traditional and alternative/renewable sources, industry organization, logistics & value chain, power demand management, conservation, and energy efficiency. Demand response methods and programs as well as, smart grids will also be covered.

#### **BUSI 40733 - Alternative & Renewable Energy (3)**

Principles and practices of doing business in the renewable energy and alternative fuels sectors. Investigates the feasibility and economics of competing energy sources and technologies and considers their contribution to a total system approach to energy business. Includes concepts of innovation, relevant business models, the use of government incentives, tax credits, regulatory mandates, as well as financing, distribution, and infrastructure challenges and evolving markets and consumer demand.

#### **BUSI 40833 - Team Leadership Skills (3)**

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)**

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 40853 - Leading in a Complex World (3)**

Prerequisite: BUSI 40843 with a grade of at least C, and must be a Business major. This course is designed to help students understand the complexity of the contexts in which leadership occurs. The course will extend learning regarding leading self, leading others and leading change (covered previously in the BNSF Neeley Leadership Program) to complex business and societal contexts. Students will gain a better understanding of: 1) the nature of complexity in business and social systems, 2) the implications of complexity for how organizations must think differently about leadership and followership (e.g., regarding organization structure, culture, power and communication), and 3) how each student personally needs to lead and follow in organizational contexts to be successful as they transition into and advance in their careers.

#### **BUSI 40970 - Special Problems in Business (1.00-6.00)**

Prerequisite: Must be a business major. Special Problems in Business. (1-6 semester hours) This course may be repeated for credit.

#### **BUSI 50833 - Team Leadership Skills (3)**

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)**

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.

## **CHDV - Child Development**

#### **CHDV 20123 - Trauma-Informed Interventions (3)**

This course is designed to provide an introduction to trauma-informed care and interventions. Students will learn about the impact of trauma, the pillars of trauma-informed care and current evidence based, trauma-informed interventions such as Trust-Based Relational Intervention.

#### **CHDV 25053 - Global Advocacy (3)**

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 30223 - Fundamentals of Play (3)**

Prerequisites: 30 cumulative hours of coursework is required. A developmental class is recommended. In this course, history, theory and neuroscience of play are examined. Play as it relates to physical, social, cognitive, language and emotional development is explored in children birth through adolescence. The impact of culture, gender, and technology on children's play is explored. Special attention is given to play observations, assessment through play, and therapeutic play.

#### **CHDV 30533 - Developmental Research and Evaluation (3)**

Prerequisites: PSYC 10213 and MATH 10043. The purpose of this course is to familiarize students with the basics of developmental research and evaluation. This class will cover topics such as research versus evaluation, evaluation, research design, research projects start to finish, data and analysis, and reporting findings and publications.

#### **CHDV 30990 - International Residential Study (1.00-20.00)**

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.

### **CHDV 35053 - Professional Development in Careers with Children (3)**

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 40223 - Fundamentals of Child Life Practice (3)**

Prerequisites: NURS 10303 or PSYC 30313 or 40433. This child life course will focus on children in the healthcare environment. It will include study in the following areas pertaining to child life specialists; documentation; scope of practice; impact of illness, injury, and health care of patients and families; family-centered care; therapeutic play; and preparing children for healthcare encounters and life-changing events.

### **CHDV 40263 - Child Development Internship (3)**

Prerequisites: PSYC/CHDV 50433 and PSYC/CHDV 50443. This experiential course provides advanced opportunities to work with children through internship positions. Service environments will provide experiential learning through which the student will utilize their knowledge of child development. Students can obtain their own positions (e.g., women shelter volunteer; child life specialist practicum) or can take part in internships facilitated by the instructor. Students complete 100 hours at the internship site. Students also attend a weekly one-hour seminar during the semester to discuss their experiences with peers and faculty and learn about working in helping professions.

### **CHDV 40493 - Family Systems (3)**

This course is designed to explore historical and contemporary theories related to family functioning and to analyze the impact of varying demographics, stressors, and transitions on family dynamics. Theories will be presented in class and applied to diverse family systems within cultural and societal contexts. Emphasis will be placed on non-traditional family systems and the varied impact of stressors on different types of family systems.

### **CHDV 40993 - Child Development Capstone (3)**

Prerequisites: must be a CHDV major and have senior standing. This course is designed for seniors to promote an integrated understanding of the discipline and to examine the significance of research and policy in child development. The emphasis is on assisting the student in developing the ability to critically evaluate methods, problems and findings of research in the field of child development and to evaluate contrasting views of major issues within the discipline.

### **CHDV 50433 - Trauma & Relationships (3)**

Prerequisite: Junior standing. This course is the first of a two-part series of multidisciplinary courses which examine children who have experienced complex developmental trauma, including outcomes, assessments, and interventions through a study of peer-reviewed articles and evidence-based interventions, including Trust-Based Relational Intervention (TBRI). TBRI is an attachment based, trauma-informed intervention designed to meet the complex needs of children through connecting, empowering, and correcting. Emphasis in this course will be attachment theory and the development of healthy relationships. Completing this course is recommended to work at The Hope Connection 2.0 therapeutic camp. (Crosslisted as CHDV/PSYC 50433.)

### **CHDV 50443 - Trauma & Behavior (3)**

Prerequisites: CHDV/PSYC 50433 and junior standing. This course is the second of a two-part series of multidisciplinary courses which examine children who have experienced complex developmental trauma. Emphasis in Trauma and Behavior is on understanding the effects of trauma on the body, brain, and behavior, as well as demonstrating trauma-informed intervention strategies and skills. Completing this course is recommended to work at The Hope Connection 2.0 therapeutic camp. (Crosslisted as CHDV/PSYC 50443.)

### **CHDV 50533 - Case Studies in Child Development (3)**

Prerequisite: Junior standing. 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. (Crosslisted as CHDV/PSYC 50533.)

### **CHDV 50933 - TBRI Intensive (3)**

Prerequisites: CHDV 50433 and 50443. This course is designed to be an intensive study in putting Trust-Based Relational Intervention (TBRI) into practice within a professional setting. Upon successful completion of the course (80% or above) students will earn the title and status of TBRI Practitioner.

## **CHEM - Chemistry**

### **CHEM 10013 - General Chemistry for Engineering Students (3)**

Prerequisites: Major in engineering. Selected topics from General Chemistry designed to provide mastery of chemistry concepts needed for success in undergraduate engineering courses. Credit will not be given for both CHEM 10013 and CHEM 10113.

### **CHEM 10113 - General Chemistry I (3)**

Three lecture hours per week. Introduction to the principles of chemistry, illustrating the central position of the discipline among the sciences. Credit will not be given for both CHEM 10013 and CHEM 10113.

### **CHEM 10114 - General Chemistry I (Honors)**

Three hours 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 II Laboratory (2)**

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 II (3)**

Prerequisite: CHEM 10113 with a grade of C- or better. Three lecture hours per week. Introduction to the principles of chemistry, illustrating the central position of the discipline among the sciences.

### **CHEM 10124 - General Chemistry II (Honors)**

Three hours 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 II with Laboratory (5)**

Prerequisite: CHEM 10113 with a grade of C- or better. Three hours lecture, one 3-hour laboratory, and one 1-hour lab lecture per week. 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 (3)**

Prerequisites: CHEM 10113, and prior or concurrent enrollment in CHEM 10123. One hour 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 (1.00-20.00)**

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 30121 - Organic Chemistry I Laboratory (1)**

One hour of lecture per week and seven 4-hour laboratory periods during the semester. Prerequisite: CHEM 10122 or 20123 with a grade of C- or better and prior or concurrent registration in CHEM 30123. Techniques of purification, characterization, and synthesis of organic compounds.

**CHEM 30123 - Organic Chemistry I (3)**

Three hours lecture per week. Prerequisite: CHEM 10123 with a grade of C- or better. A survey of the classes of organic compounds with regard to nomenclature, structure, and reactions.

**CHEM 30133 - Organic Chemistry II (3)**

Three hours lecture per week. Prerequisite: CHEM 30123 with a grade of C- or better. Stereochemistry, organic reaction mechanisms, and synthesis of organic compounds.

**CHEM 30143 - Organic Qualitative Analysis (3)**

Two one-hour lectures and one 4-hour laboratory per week. Prerequisite: CHEM 30121 with a grade of C- or better and 30133 or concurrent registration. Chemical and instrumental means of identifying unknown organic substances.

**CHEM 30990 - International Residential Study (1.00-20.00)**

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 33990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

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 (1)**

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 I Lab (1)**

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 I (3)**

Three hours lecture per week. Prerequisite: CHEM 10125 or 10122-10123 or 10123- 20123, 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 II Lab (1)**

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 (3)**

Three hours lecture per week. Prerequisites: CHEM 40123, MATH 20524, PHYS 20484 or PHYS 10164 (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 (2)**

One hour 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 (1.00-4.00)**

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 (3)**

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. Available for chemistry credit only to majors in Nutritional Sciences.

**CHEM 40523 - Structural Biology of Drug Design (3)**

Prerequisites: BIOL 40513 or BIOL/CHEM 50133 or equivalent course. Two hours of lecture and two hours of laboratory per week. Students will learn structural biology techniques important for designing pharmaceuticals and design a drug to their favorite protein target. Crosslisted as BIOL/CHEM 40523.

**CHEM 50001 - Laboratory Safety, Ethics & Professional Skills (1)**

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. Ethics in the chemistry and the use of databases and industry-specific software will also be discussed. (This course is only offered P/NC.)

**CHEM 50111 - Laboratory Glassblowing (1)**

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 (.50-3.00)**

Prerequisite: Permission of instructor. Members of this class act as Chemistry laboratory assistants. Techniques of laboratory instruction are illustrated and the importance of laboratory safety is stressed. 0.5-3 semester hours.

**CHEM 50133 - Biochemistry I (3)**

Prerequisite: CHEM 30133 and 40123 or permission of instructor. Three hours lecture per week. A general survey of structure and function of biologically important compounds with methods of analysis. (Crosslisted as BIOL/CHEM 50133.)

**CHEM 50143 - Biochemistry II (3)**

Prerequisite: BIOL/CHEM 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. (Crosslisted as BIOL/CHEM 50143.)

**CHEM 50153 - Medicinal Chemistry (3)**

Three hours lecture per week. Prerequisites: BIOL/CHEM 50143, or permission of instructor. Molecular mechanism of drug actions, and methods of drug design, discovery and development. (Crosslisted as BIOL/CHEM 50153.)

**CHEM 50162 - Advanced Inorganic Chemistry Laboratory (2)**

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 (3)**

Three hours lecture per week. Prerequisite: CHEM 40123 or permission of instructor. A survey of topics in modern inorganic chemistry with emphasis on synthesis, bonding and the mechanisms of reactions.

**CHEM 50182 - Biophysical Chemistry Laboratory (2)**

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 (3)**

Three hours lecture per week. Prerequisite: CHEM 40123 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 (3)**

Three hours lecture per week. Prerequisite: CHEM 30143, 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 (1.00-6.00)**

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 (3)**

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 (3)**

Three hours 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 (2)**

Two hours lecture per week. Prerequisites: CHEM 40133. An introduction to Quantum Chemistry and Statistical Thermodynamics is presented. Continuation of Chemistry 40123-40133.

#### **CHEM 50290 - Chemical Thermodynamics (1.00-6.00)**

Prerequisite: CHEM 40133 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 40133. 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 (2)**

Two four-hour laboratory periods per week. Prerequisite: CHEM 50143 or concurrent registration. (Crosslisted as BIOL/CHEM 50502)

#### **CHEM 50763 - Experimental Methods in Biochemistry and Biophysics (3)**

Prerequisite: Permission of instructor. This course will introduce students to experimental techniques developed and used to investigate biological systems. It will discuss modern techniques used in the biomedical sciences, drug discovery and other biophysical and biochemical fields. The course includes lectures, demonstrations, and hands-on exercises in the TCU Biophysics Laboratory and on instrumentation at the Center for Commercialization of Fluorescence Technologies (CCFT) at the UNT Health Sciences Center campus. (Crosslisted as CHEM/PHYS 50763.)

#### **CHEM 50783 - Environmental Chemistry (3)**

Prerequisites: CHEM 10123 and 10122 or 10125 or 20123 or permission of instructor. Three hours 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. (Crosslisted as CHEM/ENSC/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.

## **CHIN - Chinese**

#### **CHIN 10033 - Business Chinese (3)**

Prerequisite: This course is designed for students with little or no previous knowledge of the Chinese language. It cultivates student cultural knowledge and language skills while communicating in Chinese business environments, tailoring all language training and cultural topics to that end. The language training helps students cultivate basic language skills to interact with the Chinese people. Cultural topics

provide a framework for Western learners to develop and Eastern perspective, guiding learners to behave in a culturally appropriate manner when they communicate within Chinese business environments.

#### **CHIN 10043 - Chinese Calligraphy (3)**

Chinese Calligraphy is designed for students who are interested in Chinese culture, philosophy, and art. Students will practice and acquire basic calligraphy strokes, radicals and characters by using traditional Chinese calligraphy brushes. Students will also learn the meaning and philosophy behind each Chinese character. Prior knowledge in Chinese language and culture is not required.

#### **CHIN 10153 - Beginning Chinese I (3)**

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 (3)**

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 20053 - Intermediate Chinese I (3)**

Prerequisite: CHIN 10163 with a C- or above, or approval of instructor. CHIN 20053 will develop listening, speaking, reading, and writing skills at the intermediate level. Working with familiar topics, students will learn to comprehend short paragraph-level utterances; interact effectively in a variety of straightforward, concrete conversational situations; and read short paragraphs and write short, well-focused descriptive or narrative works.

#### **CHIN 20063 - Intermediate Chinese II (3)**

Prerequisite: CHIN 20053 with a grade of C- or better, or approval of the instructor. CHIN 20063 will develop speaking, listening, reading, and writing skills at the intermediate-mid level. Students will learn to understand paragraph-level utterances on familiar topics; speak with confidence in everyday interactions; read paragraphs (in characters) on learned or familiar topics; handle practical writing tasks (in characters) as short letters and memos that relate to personal and learned topics.

#### **CHIN 20990 - International Residential Study (1.00-20.00)**

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.

#### **CHIN 30053 - Intermediate Chinese III (3)**

Prerequisites: CHIN 20063 with a grade of C- or better, or permission. CHIN 30053 will develop students' speaking, listening, reading, and writing skills at the intermediate-high level. Upon the completion of this course, students should have acquired the following abilities: 1) Listening: can understand interpersonal conversations on practical and social topics; follow presentation on social topics or topics of personal interest and individual relevance; 2) Speaking: can engage in conversations on topics of personal interest and individual relevance and present ideas and opinions with a level of clarity and precision that native speakers can understand; 3) Reading: can comprehend text materials on non-specialized topics with the help of dictionaries; 4) Writing: can produce most kinds of informal correspondence; can present ideas and opinions at paragraph level with a level of clarity and precision that native speakers can understand.

#### **CHIN 30063 - Intermediate Chinese IV (3)**

Prerequisite: CHIN 30053 with a grade of C- or better, or approval of the instructor. CHIN 30063 continues to develop speaking, listening, reading, and writing skills at the intermediate-high level. Upon the completion of this course, students should have acquired the following abilities: 1) Listening: can understand interpersonal conversations on practical and social topics with ease; can follow presentations on social topics or topics of personal interest and individual relevance; 2) Speaking: can engage in conversations on topics of personal interest and individual relevance; can present ideas and opinions with a level of clarity and precision that native speakers can easily understand; 3)

Reading: can comprehend text materials on non-specialized topics with the help of dictionaries; can appreciate the differences between formal and informal styles; can extrapolate meanings from context; 4) Writing: can produce most kinds of informal correspondence; can present ideas and opinions in well-connected paragraphs with a level of clarity and precision that native speakers can easily understand.

### **CHIN 30073 - Chinese Culture in Film (3)**

Prerequisite: A C- or better in CHIN 30063, or permission of instructor. The course develops students' critical thinking about Chinese cultural phenomena by watching and discussing Chinese movies. It provides students with an opportunity to rethink the similarities and differences between Chinese and American cultures reflected in Chinese movies. The course will be conducted in Chinese through lectures and guided discussions of designated topics.

### **CHIN 30113 - Chinese Civilization and Culture (3)**

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 30133 - Communicating in the Chinese Workplace (3)**

Prerequisites: CHIN 20063 with a grade of C- or better. This course is designed to move students forward in their Chinese language proficiency and intercultural competence, with particular emphasis on the use of Chinese in the workplace. It provides students with practice in using Chinese as a foreign language to explore Chinese culture in the context of working settings.

### **CHIN 30970 - Directed Study in Chinese (1.00-6.00)**

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 (1.00-20.00)**

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.

### **40123 - Contemporary China Scenes (3)**

Prerequisites: CHIN 30053, 30063, 30073, or 30133 with a grade of C- or better. In this course, students will use Chinese to explore various contemporary scenes of Chinese society. The scenes represent the domains of Chinese popular culture, social change, cultural tradition, and politics. The topics include online dating, brand-name fever, television dramas, modern views of marriage, population change, Chinese food culture, Confucianism in modern China, and democracy.

## **CITE - Computer Information Technology**

### **CITE 10003 - Applying Technology to Disasters, Failures, and Other Dangerous Things (3)**

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 20970 - Topics in Computer Information Technology (1.00-3.00)**

Topics of current interest. May be repeated for credit when the topic changes. (1-3 semester hours)

### **CITE 20990 - International Residential Study (1.00-20.00)**

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.

### **CITE 30023 - The Digital Explosion: A Cultural Transformation (3)**

Prerequisites: Junior standing or consent of instructor. 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, text messaging, as well as web sites for online dating and social networking.

### **CITE 30103 - Unix/Linux System Administration (3)**

Prerequisites: COSC 10403 or 10503; all with C- or better. This course will cover the installation, management, and maintenance of Unix/Linux operating systems.

### **CITE 30133 - Advanced System and Network Administration (3)**

Prerequisites: CITE 30103 with C- or better. The topics of this course include advanced study of installing, configuring, and managing network based services and applications.

### **CITE 30153 - Interface Design and Scripting Fundamentals (3)**

Prerequisites: COSC 20203. Fundamental principles of interface design and scripting languages. Topics include user interface evaluation and basic development, scripting language programming (e.g. Python), and the study of existing programs written in selected languages.

### **CITE 30333 - Database Administration (3)**

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 (3)**

Prerequisite: COSC 30603 with C- or better. This course will provide an overview of the current full stack web technologies. The students will learn both client-side and server-side technologies to create a functional dynamic web application. The course will include a detailed introduction to HTML, CSS, JavaScript, and HTTP followed by in-depth coverage of server-side programming and database connectivity. Popular web frameworks will also be included. Projects will be required that demonstrate the student's understanding of these technologies.

### **CITE 30990 - International Residential Study (1.00-20.00)**

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.

### **CITE 40133 - Operations Research I (3)**

Prerequisites: MATH 10524 and a course in statistics (either MATH 10043 or MATH 30853 or MATH 30803) additionally either COSC 30603 or ENGR 20613 is required. The principles and practice of Operations Research Methods as a tool for decision-making are studied. In particular, the course focuses on deterministic mathematical programming techniques such as linear programming (the Simplex Method, concepts of duality and sensitivity analysis), network optimization (transportation and assignments problems), and dynamic, and integer programming.

### **CITE 40353 - Computer Hardware Concepts (3)**

Prerequisites: COSC 30203 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 40450 - Computing Internship (1.00-3.00)**

Prerequisites: Sophomore standing, 2.5 GPA in major, and approval of department chair. Practical experience in computer and information science. Must include a minimum of 90 work hours for each credit hour in approved practical experience situation. This course may only be taken pass/no credit and may be repeated for a total of at most 3 credit hours. Open to CITE and COSC majors only. (1-3 hours.)

**CITE 40453 - Computing Internship (3)**

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 CITE and COSC majors only.

**CITE 40643 - Issues in Project Management (3)**

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 40913 - Advanced Topics in Computer Information Technology (3)**

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 (3)**

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.

**COMM - Communication Studies****COMM 10123 - Communicating Effectively (3)**

In this course, students will learn communication skills, such as how to construct and deliver messages, listen actively, and communicate ethically; emphasis will be on developing public speaking skills.

**COMM 10163 - Public Address (Honors) (3)**

Examines the science and art of effective speaking in public and private contexts. Students will understand basic concepts and theory related to public address and will develop skills in effective group communication and oratory.

**COMM 20113 - Interpersonal Communication (3)**

Consideration of effective speech communication strategies in interpersonal situations. Practice in the development of appropriate communication skills in face-to-face interactions.

**COMM 20173 - Interpretive Speaking (3)**

Prerequisites: COMM 10123 or 10133. This course will study elements of performance theory and techniques. Students will analyze and interpret academic texts, current events, and various styles of literature to formulate an argument in a performance.

**COMM 20223 - Communication Theory (3)**

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

**COMM 20990 - International Residential Study (1.00-20.00)**

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 (3)**

Prerequisite: COMM majors/minors only, by permission of department. 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 30101 - Forensic Team (1)**

Prerequisites: Instructor permission required and restricted to recognized members of the TCU Forensic Team. Participation credit for members of the competitive forensics team. Course members will practice and engage in intercollegiate competition in public address,

oral interpretation, and debate. Repeatable a maximum of 8 times. A maximum total of 4 credits may be applied toward a Communication Studies major, 3 credits toward a minor.

**COMM 30103 - Argumentation and Debate (3)**

Prerequisite: COMM majors/minors only, or by permission of department; COMM 10123 or 10133 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 (3)**

Prerequisite: COMM majors/minors only, or permission of department. 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 Communication (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 20113. Participation in decision-making groups to develop skills related to effective group communication. Factors affecting group interactions are considered.

**COMM 30143 - Mediation (3)**

Prerequisite: COMM majors/minors only, or permission of department. Students will develop knowledge and skills necessary to facilitate conflict conversations in interpersonal and organizational settings.

**COMM 30153 - Interviewing (3)**

Prerequisite: COMM majors/minors only, or permission of department. Applies dyadic communication principles to specialized interviewing situations. Skills development is stressed.

**COMM 30163 - Organizational Communication (3)**

Prerequisite: COMM majors/minors only, or permission of department; Combined GPA of 2.5 in COMM 20113 and 20223. 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 (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 10123 or 10133 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 (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 20223 and COMM 30163. Explores organizational communication within special contexts. Included theoretical concepts applicable to conflict, culture, media, etc. Repeatable for maximum of 6 hours.

**COMM 30193 - Listening (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 20113 with a C- or better. 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 30203 - Nonverbal Communication (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 20113 with a C- or better and MATH 10043 or INSC 20153 with a C- or better. Introduction of the conceptual foundations of nonverbal communication. Theoretical perspectives, research methods, and applications of nonverbal communication are also explored in a variety of contexts.

**COMM 30213 - Special Issues in Interpersonal Communication (3)**

Prerequisite: COMM majors/minors only, or permission of department; 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 (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 10123 or 10133 and COMM 20113, and COMM 20223. Explores theory and research related to social influence in relationships and communication processes.

**COMM 30233 - Social Networking Sites and Personal Relationships (3)**

Prerequisites: COMM 20113 and COMM 20223. Explores history, theory, and research related to interpersonal uses of communication technology. Students will critically examine current forms of mediated interpersonal communication in light of the history of communication technology.

**COMM 30243 - Communication and Emotion (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 20113 and 20223 with a C- or better. Introduces students to scientific perspectives on human emotion and examines the social, moral, and cultural dimensions of communication emotions.

**COMM 30253 - Intercultural Communication (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 20113 and COMM 20223. 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 30263 - Gender and Communication (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or 10113. Examination of the relationship between gender and communication. Critical analysis of how communication creates, maintains, and transforms views of gender in cultural, social, and historical contexts.

**COMM 30273 - Great British Orators (3)**

Prerequisite: COMM majors/minors only, or permission of department. Investigate great British orators, orations, and persuasive techniques used to compel audiences at the actual sites where these famous speeches took place.

**COMM 30283 - Communication Inquiry (3)**

Prerequisites: COMM 20113 and 20223 both with a "C" or better and MATH 10043 or INSC 20153 with a "C" or better. 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 30293 - Training & Development (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or 10133. The purpose of this course is to introduce students to training and development in organizational settings. Students will learn the art and science of designing, delivering, and assessing training programs. Emphasis will be placed on teaching communication skills to adult learners and exploring potential career opportunities in training and development.

**COMM 30313 - Foundations in Health Communication (3)**

Prerequisites: COMM majors/minors only, or permission of department; MATH 10043 or INSC 20153 with a C- or better and COMM 20223 with a C- or better. This course is an introduction to theories and research related to health communication. We will focus on how messages from interpersonal, organizational, and mediated sources affect physical, mental, and social health and well-being.

**COMM 30970 - Independent Study (1.00-3.00)**

Prerequisite: COMM majors/minors only; department permission. 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 (1.00-20.00)**

Prerequisite: COMM majors/minors only; department permission. 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 31213 - Rhetoric: From Ancient Rome to Modern Oratory (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10133. Examination of the major concepts in rhetorical theory. By studying on location, emphasis is placed on understanding the conceptions of rhetoric in antiquity, identifying how these inform historical and contemporary rhetorical acts, and evaluating the persuasive techniques used to compel audiences in a variety of social, political, and religious contexts.

**COMM 31223 - Persuasion in Global Community (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 10123. Explores a variety of theories and applications of persuasive communication. Focus is on the public discourse of global issues.

**COMM 34490 - International Residential Study (1.00-20.00)**

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 38933 - Schieffer Associates (3)**

Prerequisites: COMM majors/minors only; COMM 30163, permission of instructor, and department chair. This course not only explores the analysis, planning and execution of marketing and promotional goals, strategies and tactics for a corporate structure, its divisions and departments through research, discussion, peer and instructor evaluation and experimentation but also places students in the role of communication professionals responsible for the production of tangible solutions and content using the Bob Schieffer College of Communication and other TCU academic units as its primary clients.

**COMM 40003 - Honors Research Paper (3)**

Prerequisite: COMM majors/minors only; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better; department permission. A research paper developing from the student's specialization in the Honor's Seminar.

**COMM 40113 - Conflict Management (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better; MATH 10043 or INSC 20153 with a C- or better. 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 (3)**

Prerequisite: COMM majors/minors only, or permission of department; complete 15 hours in Communication Studies; junior or senior standing; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better or permission of instructor. Participation in professional internship experience approved by course instructor. Online forums and writing assignments focus on analysis of communication observations and issues in professional environments. May be repeated up to six hours, with unique employer placements. For BS degree, only three hours qualify for credit toward the 3-course, 40000-level departmental requirement.

**COMM 40133 - Communication and Character (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better. The development and use of communication skills to manifest positive character traits for the benefit of self, others, and society at large.

**COMM 40163 - Difference Matters in Organizational Communication (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; and COMM 30163 with a C- or better. Examines power and privilege in organizations, focusing on gender, race, class, ability, age, sexuality, and religion. Students will develop

awareness of how their background shapes communication as well as exploring strategies for increasing inclusion in organizations.

### **COMM 40213 - Perspectives on Ethics in Communication (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better; MATH 10043 or INSC 20153 with a C- or better. 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 (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better; MATH 10043 or INSC 20153 with a C- or better. 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 (3)**

Prerequisite: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better. 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 40243 - Dark Side of Organizational Communication (3)**

Prerequisites: COMM 30163. This course is a seminar on the dark sides of organizational communication and behavior. Students will examine critical perspectives in organizational communication and discuss readings and case studies in organizational ethics.

### **COMM 40283 - Communication Inquiry (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better; MATH 10043 or INSC 20153 with a C- or better. 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. Students cannot receive credit for both COMM 30283 and COMM 40283.

### **COMM 40313 - Social Media and Personal Relationships (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better. Explores history, theory, and research related to interpersonal uses of communication technology. Students will critically examine current forms of mediated interpersonal communication in light of the history of communication technology. Students cannot receive credit for both COMM 30233 and COMM 40313.

### **COMM 40323 - Food, Culture, and Communication (3)**

Prerequisites: COMM majors/minors only, or permission of department; COMM 10123 or COMM 10163 with a C- or better; combined GPA of 2.5 in COMM 20113 and 20223; COMM 30163 with a C- or better. To increase understanding of the multiple ways that food communication occurs. Students will critically analyze how food functions symbolically as a communicative practice by which we create, manage, and share meanings with others. Emphasis on how the various relationships between communication and food negotiate our identities, cultures, and environments. Patterns of communicative food practices--and how those are influenced by social, economic, historical, and cultural contexts--are also examined.

### **COMM 50243 - The Dark Side" of Interpersonal Communication" (3)**

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 (1.00-3.00)**

Prerequisite: Senior or graduate standing. Specialized work in student's area of concentration. 1-6 semester hours, 3 hours maximum per semester.

## **COSC - Computer Science**

### **COSC 10203 - Computer Literacy (3)**

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 (3)**

Prerequisite: College algebra or two years of high school algebra. Introduction to computers, problem solving, algorithm design, and programming techniques. Includes what a computer is and is not, problem organization, data representation, and how to utilize the computer to solve problems. Numerical and non-numerical problems are solved in a high-level programming language.

### **COSC 10433 - Freshman Seminar in Computer Science (3)**

Topics may vary each time it is offered.

### **COSC 10503 - Introduction to Programming for Engineering & Science (3)**

Prerequisite: College algebra or 2 years high school algebra. 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 (3)**

Topics may vary each time class is offered.

### **COSC 10603 - Introduction to Python for Data Analytics (3)**

This course will introduce Python data structures and ways to manipulate data. Students will design, implement, and test Python programs. This course will also give the students a working knowledge of how to use Python to perform data analysis.

### **COSC 20101 - Assembler Fundamentals (1)**

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 (3)**

Prerequisites: COSC 10403 with a C- or better. 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 (3)**

Prerequisites: COSC 20203 with a C- or better. 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 (1.00-6.00)**

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 (1.00-20.00)**

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 30103 - Introduction to Data Science (3)**

Prerequisites: COSC 20803 and MATH 20123 with a C- or better in both. Essential elements of the data science lifecycle from theory to practice. Introduces fundamental skills to prepare for advanced study in data science. Methodologies and several open source tools used in solving data science problems are studied. (Cross-listed as COSC/MATH 30103.)

**COSC 30203 - Computer System Fundamentals (3)**

Prerequisite: COSC 20803 and MATH 20123; both with a C- or better. Topics include a review of machine representation of data, machine language, systems programming, memory hierarchy, linking, exceptional control flow, system-level I/O, network programming, and concurrent programming.

**COSC 30253 - Computer Organization (3)**

COSC Prerequisites: COSC 20803 and MATH 20123, or, ENGR prerequisites: ENGR 30444; all with a C- or better. 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. (Crosslisted as COSC 30253/ENGR 30573.)

**COSC 30353 - Microprocessor Based Digital Systems (3)**

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. (Crosslisted as COSC 30353/ENGR 30583.)

**COSC 30403 - Programming Language Concepts (3)**

Prerequisite: COSC 20803 and MATH 20123; both with C- or better. A study and comparison of the concepts and constructs of major programming language paradigms. Topics include programming language syntax, names, scopes, and bindings, semantic analysis, control flow, and data types. In addition, the course includes learning ANTLR to write parsers, and studying Scala, a functional programming language.

**COSC 30453 - Computer Architecture (3)**

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. (Crosslisted as COSC 30453/ENGR 30593.)

**COSC 30503 - Systems Programming (3)**

Prerequisite: COSC 20203. An overview of the UNIX operating system focused on command-line and server interfaces. An introduction to the C/C++ programming language, UNIX commands, shell programming, process management, memory management, I/O, network communication, and systems programming in C/C++ with low-level kernel calls.

**COSC 30603 - Database Systems (3)**

Prerequisite: COSC 20803, and MATH 20123. All prerequisites need to be C- or better. Introduction to the design, implementation, and use of relational database systems. Topics include entity-relationship modeling, relational algebra, normalization, SQL, external data structures, query optimization, non-relational models, and applications.

**COSC 30703 - ADA Software Development and Programming (3)**

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 (3)**

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 (1.00-20.00)**

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 - Data Communication and Computer Networking (3)**

Prerequisite: COSC 30203 with a C- or better. 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 40023 - Data Mining and Visualization (3)**

Prerequisites: COSC/MATH 30103, MATH 30224, and prerequisite MATH 10043 or corequisite MATH 30853; all with C- or better. Students will study the principles and practices of machine learning. Specifically, regression and classification will be studied to obtain and analyze patterns in datasets. To facilitate exploratory data analysis, students will also study data preprocessing techniques and data visualization practices.

**COSC 40033 - Wireless Networks and Security (3)**

Prerequisites: COSC 30203 or CITE 30103; all with a C- or better. This course will cover the fundamental principles, architectures, and standards of modern wireless communications systems, as well as specific applications and uses of these systems.

**COSC 40043 - Mobile App Development (3)**

Prerequisites: COSC 30403 with a C- or better. The course introduces Android app development using Kotlin. This is a project-based course with the focus on developing simple to moderately complex Android apps. Along the way, students will learn the important concepts of Kotlin programming as well as how to implement key Android features.

**COSC 40053 - Computer and Network Security (3)**

Prerequisites: MATH 20123, and COSC 30203 or CITE 30103; all with a C- or better. This course will cover the fundamental principles and techniques in computer systems and network security. Key topics include cryptographic systems, security standards, protocols, tools and applications.

**COSC 40103 - Graphics (3)**

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 (3)**

Prerequisites: COSC 30203 with a C- or better, COSC 30253 with a C- or better. Introduction to operating systems concepts, principles, and design. Topics include: processes and threads, CPU scheduling, mutual exclusion and synchronization, deadlock, memory management, file systems, security and protection, networking, and distributed systems. Selected existing operating systems are discussed, compared, and contrasted.

**COSC 40253 - Microprocessor Systems (3)**

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. (Crosslisted as COSC 30353/ENGR 30583.)

**COSC 40303 - Image Processing Fundamentals (3)**

Prerequisites: MATH 10524 and COSC 10403 or 10503, and either COSC 20803 or ENGR 40574. The study and practice of the principles, the algorithms and the techniques of image processing such as editing, analysis, segmentation, recognition and classification. Students will use Java to implement and test various image processing algorithms.

**COSC 40403 - Analysis of Algorithms (3)**

Prerequisite: COSC 20803, Corequisite MATH 30123; all with C- or better, and a knowledge of probability and statistics. This course covers basic approaches for designing and analyzing for a variety of problems. Algorithm design techniques such as divide-and-conquer, greedy, dynamic programming will be covered. Other topics include worst, best, and average case analysis, graph algorithms, string matching, and complexity.

**COSC 40453 - Object-Oriented Programming and Design Patterns (3)**

Prerequisites: COSC 30403 with C- or better. This course teaches how to write code of high quality by providing an in-depth coverage of object-oriented programming principles and techniques. Topics include but not limited to fundamental object-oriented programming concepts, software design principles (SOLID), Gang of Four (GoF) design patterns, coding standards, refactoring. Each topic will be explained by using diagrammatic notations Unified Modeling Language (UML) and numerous real-world code demos.

**COSC 40503 - Artificial Intelligence (3)**

Prerequisite: COSC 40403 and MATH 20123, all with grade C- or above. Introduction to knowledge representation and methods for intelligent search, planning, and learning. Fundamental topics include uninformed and informed search, adversarial search, constraint satisfaction problems, logical agents, knowledge representation, reinforcement learning, expert systems, and a bit of machine learning.

**COSC 40523 - Deep Learning (3)**

Prerequisites: COSC/MATH 30103, MATH 30224, either MATH 10043 or 30853 or concurrent. All prerequisites need to be C- or better. Introduces fundamental knowledge of deep learning algorithms, practical skills to build, train and tune a deep artificial neural network with applications such as computer vision, natural language processing, and business analytics. Topics include but not limited to fully connected neural networks, convolutional networks, recurrent networks, generative adversarial networks.

**COSC 40603 - Compiler Theory (3)**

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 40703 - Parallel Computing (3)**

Prerequisites: COSC 40203. An introduction to hardware and software topics in high performance and parallel computing. Students will be introduced to a variety of high performance and parallel computing paradigms including message passing, threading models, and shared-memory programming techniques. Topics include motivation and history, parallel architectures, parallel algorithm design, and parallel performance analysis.

**COSC 40803 - Advanced Topics in Computer Hardware (3)**

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 (3)**

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 (3)**

Prerequisite: COSC 30603 or concurrent, senior standing in COSC or CITE (24 hours in the major.) All prerequisites need to be C- or better. Stages of the software development life cycle (requirements analysis, specification, design, implementation, testing), evolution, and quality assurance are covered. Classical and alternative process models are described. Project management issues, professional responsibilities, and ethics of the profession are discussed. This course includes team projects.

**COSC 40993 - Senior Design Project (3)**

Prerequisite: COSC 40943 with a C- or better. 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 (3)**

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 (3)**

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 (1.00-20.00)**

Prerequisite: Permission of instructor. (1-6 semester hours).

## COSD-Comm-Sciences-Disorders

**COSD 10303 - Survey of Communication Disorders (3)**

Survey of disorders of articulation, language, stuttering, voice and hearing.

**COSD 10343 - Basic Sign Language (3)**

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 as well as those who are interested in learning sign language.

**COSD 20303 - Speech and Hearing Science (3)**

An introduction to acoustic and physiological aspects of the speech and hearing mechanisms.

**COSD 20313 - Voice and Articulation Improvement (3)**

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 20333 - Phonetics (3)**

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 (3)**

Prerequisite: COSD 10343 with a grade of C or higher 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 and Deaf Culture.

**COSD 20363 - Evidence-Based Practice in Communication Sciences and Disorders (3)**

Prerequisite: COSD 10303 with a grade of C or better. This course will focus on identifying the fundamental concepts related to scientific inquiry in communication sciences and disorders to allow students to become critical readers of peer-reviewed journal articles. The course will consider identification of research literature relevant to a specific topic or disorder, basic concepts involved in the formulation of research questions and methodology, and levels of research evidence available to audiologists and speech language pathologists.

**COSD 20503 - Anatomy and Physiology of the Speech and Hearing Mechanisms (3)**

Prerequisite: SPPA or DHHS major or permission of instructor. Structure and function of the normal mechanisms required for speech and hearing.

**COSD 30003 - Junior Honors Seminar (3)**

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 30203 - Language Development for Non Majors (3)**

An overview of normal acquisition and development of language in children from infancy through adolescence for non majors.

**COSD 30303 - Anatomy and Physiology of the Speech and Hearing Mechanisms (3)**

Structure and function of the normal mechanisms required for speech and hearing.

**COSD 30324 - Speech Sound Disorders (4)**

Prerequisites: SPPA major, COSD 10303 and 20333, with a grade of C or higher in all COSD coursework, cumulative GPA of at least 3.00, and a cumulative 3.00 GPA in COSD courses or permission of instructor. Basic principles of diagnosis and treatment for individuals with developmental or functional speech sound disorders of articulation.

**COSD 30334 - Language Development in Children (4)**

Normal acquisition and development of language in children from infancy through adolescence.

**COSD 30343 - Aural Rehabilitation (3)**

Prerequisite: COSD 30363 with a grade of C or higher in all COSD coursework, cumulative GPA of at least 3.00, and a cumulative 3.00 GPA in COSD courses. 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 (3)**

Prerequisite: COSD 60213 & 60233, or permission of instructor. Advanced study of curriculum materials and teaching methods for meeting specialized needs of deaf and hard of hearing children, in the learning of reading and developing concepts and relationships in arithmetic and science.

**COSD 30363 - Audiology (3)**

Prerequisite: COSD 20503 with a grade of C or higher. Basic audiometric techniques and interpretation of audiograms as related to problems of communication of persons with hearing loss.

**COSD 30373 - Language Disorders in Children (3)**

Prerequisite: SPPA major or permission of instructor. COSD 30334 with a grade of C or higher in all COSD coursework, cumulative GPA of at least 3.00, and a cumulative 3.00 GPA in COSD courses. Introduction to the causes, characteristics, assessment and treatment of children with language disorders.

**COSD 30383 - American Sign Language I (3)**

Prerequisite: Basic Sign Language or permission of the instructor. Study of American Sign Language (ASL) including advanced study of grammatical structure and signing technique. Introduction to deaf culture associated with the use of ASL. Students will learn and demonstrate receptive and expressive signing skills through advanced experiential learning exercises.

**COSD 30393 - Language Development of DHH (3)**

Prerequisite: COSD 30334 with a grade of C or higher, or permission of instructor. This is the first of two courses devoted to the study of language development of Deaf/Hard of Hearing (DHH) students. It will address the early intervention needs of young DHH infants and their parents as well as DDH students in lower primary grades.

**COSD 30524 - Clinical Methods in Speech-Language Pathology (4)**

Prerequisite: COSD 10303, 20333, and 30333, with a grade of C or higher in all COSD coursework, cumulative GPA of at least 3.00, and a cumulative 3.00 GPA in COSD courses or permission of instructor. Principles and procedures in the assessment and treatment of communication disorders.

**COSD 30970 - Independent Study (1.00-6.00)**

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 30990 - International Residential Study (1.00-20.00)**

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.

**COSD 40003 - Senior Honors Research Project (3)**

Prerequisite: COSD 30003, with a grade of C or higher, 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 (1-20)**

Prerequisite: SPPA major. COSD 30524, 30324, 30373, all with a grade of C or higher, senior standing, a cumulative TCU GPA of 3.0 or higher, and a cumulative 3.00 or higher GPA in COSD courses, MATH 10043, one physical science course, one social/behavioral science course and biological sciences, and permission of instructor. One semester is required. Supervised clinical experiences in the management of speech and language disorders.

**COSD 40303 - Cultural Responsiveness and Social Justice in Communication Sciences and Disorders (3)**

This course explores critical perspectives in social justice in Communication Sciences and Disorders and multicultural considerations for children and adults with communication disorders

**COSD 40323 - Advanced Language Development for DHH (3)**

Prerequisite: COSD 60233 with a grade of C or higher, or permission of instructor. Advanced study of language principles and language usage for intermediate and advanced levels with the deaf and hard of hearing.

**COSD 40333 - Teaching Spoken Language to Persons with Hearing Loss (3)**

Prerequisite: COSD 30363 with a grade of C or higher 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 (1-6)**

Prerequisite: COSD 30393 with a grade of C or higher in all COSD coursework, a cumulative TCU GPA of at least 2.75 or higher, cumulative COSD GPA of 2.75 or higher, and permission of instructor. A minimum of two semesters are required. Observation and supervised clinical teaching of DHH children and adults.

**COSD 40350 - Clinical Practicum in Teaching DHH Students II (1-20)**

Prerequisite: COSD 40340 with a grade of C or higher in all COSD courses, a cumulative COSD GPA of 2.75 or higher and TCU cumulative GPA of 2.75 or higher. Students must be recommended for enrollment by COSD faculty. Observation and teaching of DHH students in a public school setting.

**COSD 40353 - Neurological Substrates of Communication and Swallowing (3)**

Prerequisite: COSD 20503 with a grade of C or higher, SPPA or DHHS major or permission of instructor. This course will focus on the structure and function of the central and peripheral nervous systems in relation to normal and disordered communication and swallowing. Nervous system anatomy and physiology will be studied within the context of how structures, pathways, and systems support speech, language, cognition, hearing and swallowing.

**COSD 40383 - American Sign Language II (3)**

Prerequisite: COSD 30383 with a grade of C or higher, 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 (1-6)**

Prerequisite: COSD 40300 with a grade of C or higher, senior standing, and a cumulative TCU GPA of 3.0 or higher, and a cumulative 3.00 GPA or higher in COSD course, MATH 10043, one physical science course, one social/behavioral science course and biological sciences. Student must be recommended for enrollment by COSD faculty. A minimum of one semester required for undergraduate students. Supervised clinical experience in management of the most common speech and language disorders.



**COSD 50323 - Interaction Skills for Health Professionals (3)**

Prerequisite: Senior or graduate standing. A combination of critical thinking, counseling, and leadership skills designed to prepare students to effectively communicate and work with clinical populations and their families. Appropriate strategies and techniques are explored with practical application experiences included.

**COSD 50342 - Advanced Aural Rehabilitation (2)**

Prerequisite: Senior standing and COSD 30343 and 30363, both with a grade of C or higher, or graduate standing, 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 (1.00-3.00)**

Prerequisites: COSD 30343 and COSD 30363, all with a grade of C or higher, junior standing, a cumulative TCU GPA of 3.0 or higher, and a cumulative 3.0 or higher GPA in COSD courses, MATH 10043, and one physical science course, one social/behavioral science course and biological sciences, and permission of instructor. Supervised clinical experiences in basic audiological testing techniques involving assessments and evaluation of the hearing function. 1-3 semester hours.

**COSD 50363 - Seminar on Stuttering (3)**

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 50382 - Voice and Resonance (2)**

Prerequisite: Graduate standing. A study of theories, classification systems and etiologies, with emphasis on respiration, phonation, resonance and articulation factors as they relate to disorders of voice, resonance and compensatory articulation.

**COSD 50383 - Voice and Resonance (3)**

Prerequisite: Senior (with permission of instructor) or graduate standing. A study of theories, classification systems and etiologies, with emphasis on respiration, phonation, resonance and articulation factors as they relate to disorders of voice, resonance and compensatory articulation.

**COSD 50413 - Advanced Speech Sound Disorders (3)**

Prerequisite: Graduate standing. A study of theories, diagnostic materials, etiologies, and intervention models with emphasis on the phonological productions of children with highly unintelligible speech, childhood apraxia or speech, and mild-moderate articulation errors.

**COSD 50840 - COSD Study Abroad - Chile & Argentina (1.00-20.00)**

Prerequisites: Permission of instructor(s) and meeting criteria established by the TCU Center for International Studies. This 3-week course is an international interprofessional education experience centered on health care and health professions, and is designed for students in Communication Sciences and Disorders, Nursing, Social Work, and other related health or education professions. Graduate and undergraduate students will experience the language and culture of Chile and Argentina while developing familiarity with the role of health professionals in medical and educational settings serving individuals across the lifespan. Students will engage in a number of classroom-based and hands-on learning activities related to health care, visit academic universities training health professionals, and experience practice sites serving the local and regional populations.

**COSD 50850 - China: Global Perspectives on Communication Health (1.00-6.00)**

Prerequisite: COSD 10303. This course will enhance students' global perspectives about communication health in a culture strikingly different from the US. Specifically, students will increase their understanding of the nature and treatment of communication disorders in China. Students will be exposed to the unique delivery of speech language pathology services in a country where there are very few established degree granting programs in a country of 1.33 billion people (Liu, 2014).

**COSD 50860 - COSD Study Abroad - Scotland, England, and Ireland (1.00-20.00)**

Prerequisite: COSD 10303. The course will look at the practice of Speech-Language Pathology in Ireland, Scotland and Great Britain.

Students will visit numerous sites throughout these countries and compare/contrast the practices at these facilities to the United States. Additionally, cultural and semantic differences will be observed and discussed.

**COSD 50870 - COSD Study Abroad - Australia (1.00-20.00)**

Prerequisites: permission of instructor(s) and meeting criteria, established by the TCU Center for International Studies. The purpose of this course is to increase students' knowledge of and skills in evidence-based clinical practice (EBP) in the field of speech-language pathology. Course content includes background learning in preparation for study abroad followed by travel to Sydney, Australia and Christchurch and Wellington, New Zealand. Students will visit universities and a variety of practice sites conducting and implementing EBP with children and adults with communication disorders. Students must meet the criteria established by the TCU Center for International Studies as well as departmental requirements.

**COSD 50970 - Directed Studies in Communication Disorders (1.00-6.00)**

Prerequisites: Senior or graduate standing; permission of instructor. Directed study focusing on specialized topic in communication sciences and disorders. (1-6 semester hours.)

**COSD 55343 - American Sign Language I (3)**

Prerequisite: Basic Sign Language or permission of the instructor. Study of American Sign Language (ASL) including advanced study of grammatical structure and signing technique. Introduction to deaf culture associated with the use of ASL. Students will learn and demonstrate receptive and expressive signing skills through advanced experiential learning exercises.

**COSD 55353 - American Sign Language II (3)**

Prerequisite: COSD 50343 with a grade of C or higher, or permission of the instructor. This course is a continuation of the ASL I COSD 50353 with emphasis on advanced study of deaf cultural aspects and syntactic structure of ASL. This course utilizes extensive sign productions and requires the demonstration of mastery of expressive and receptive ASL signing skills.

**COSD 55373 - Language Development of Deaf & Hard of Hearing (3)**

Prerequisite: Aural Rehabilitation with a grade of C or higher, or permission of instructor. Advanced study of language development in deaf & hard of hearing students; This course will include topics which cover normal and impaired development of expressive and receptive language skills in DHH children from birth through school-age.

**COSD 55423 - Diagnostics (3)**

Prerequisites: Graduate standing in Deaf Hard of Hearing Studies and consent of instructor. Study and administration of assessments used to determine appropriate educational needs and levels of children and adults who are deaf and hard of hearing. Course material includes study and application of formal and informal assessment approaches, and translation of assessment results to recommendations for instructional strategies for those with hearing impairments.

## CRES - Comp Race and Ethnic Studies

**CRES 10103 - Engaging Difference and Diversity in America (3)**

This course introduces students to the interdisciplinary field of comparative race and ethnic studies. Students will examine the interconnections between race, ethnicity, and social, political, and cultural frameworks and attitudes in the U.S. Questions the course explores include: When and how did the concept of race arise? How does race connect with other forms of difference such as class, gender, and sexuality? How do our personal experiences with racial identity and racism relate to the structure of our society? How have Race and Ethnic Studies scholars explored areas such as immigration, popular culture, education, and imperialism? And how have concerns for social justice and equity shaped the field of Race and Ethnic Studies?

**CRES 20003 - Gateway Seminar in Critical Race Theory (3)**

Prerequisites: CRES 10103 Engaging Difference and Diversity in America (recommended) OR any one (1) approved CRES-attribute course. This course will provide an intermediate survey of Comparative Race and Ethnic Studies, focusing on Critical Race Theory. Students will explore race as a social structure, a historical process, a mode of power, and a lived experience. While the idea of race as socially constructed has become common sense in the twenty-first century, we will go further by using Critical Race Theory to examine how scholars, artists, and activists

have applied these methods across and beyond the university. Themed units will focus on intersectionality, whiteness, indigeneity, racial capitalism, and mass incarceration.

### **CRES 20103 - Intro to Black Studies (3)**

Introduction to Black Studies surveys global Black life and culture. Grounded in formative histories uniting Black people across the world - namely the Trans-Atlantic Slave trade, colonialism, contemporary migrations and cultural developments - this course is guided by these questions - How is blackness both a dynamic concept and one that has been constituted across time through various political events, rebellions, forced and voluntary migrations, and cultural forms? How has Black studies evolved in the academy and what are its futures? Through their engagement with various texts, writing, research and presentations, students will explore such questions and more.

### **CRES 20203 - Introduction to Ethnic Studies (3)**

This course introduces students to the interdisciplinary field of Comparative Race and Ethnic Studies. Students will examine the interconnections between race, ethnicity, and social, political, and cultural frameworks and attitudes in the U.S.

### **CRES 30003 - Research Inequality (3)**

Prerequisites: One approved CRES-attribute course or instructor permission. Students will have a firsthand experience learning how to research different forms of inequality (i.e., race, gender, class, intersectional). This course serves as a practical guide for students on 'how to do research as they conduct projects based on their interests. Students can use the research that is developed in this course as the first part of a Capstone project, Honors Thesis, McNair Scholar's research, writing sample for graduate/law school or other program of interest.

### **CRES 30203 - Social Justice Organizing & Activism (3)**

Prerequisites: WGST 20003 or CRES 10103. This interdisciplinary course examines mass movements from an intersectional perspective, emphasizing how intersecting social identities (e.g. race, gender, sexuality, class, ability, citizenship status, etc.) influence how systemic oppressions are experienced and, thus, should shape the social economic, and political interventions employed in the name of social justice. The course incorporates empirically grounded and theoretical scholarship from multiple disciplines to consider diverse methods of mass movement organizing and mobilization on the local and/or global levels to shift power and privilege dynamics. Students will examine the philosophical, relational and logistical barriers to undertaking social justice organizing and activism, develop technical skills for building consensus across difference, and design their own organizing campaigns.

### **CRES 30263 - Environmental Justice (3)**

Prerequisites: SOCI 20213 OR CRES 20003 OR CRES 20103 OR LTNX 20003 OR ANTH 20623. Black, Indigenous, other people of color, working class, immigrant, women, and other marginalized groups bear the brunt of environmental problems in the United States and across the world, facing disproportionate impacts from things like air and water pollution, toxic chemicals, climate change, industrialization, and biodiversity loss. Why are certain groups systematically exposed to greater environmental burdens and fewer environmental amenities while other groups have access to clean air and water? What effect does this have on people's health and well-being? Who benefits from these inequalities and who makes decisions about environmental policies? This course draws on the work of interdisciplinary scholars from the social sciences, biophysical sciences, public health, and humanities, to examine how social, political, and economic systems create environmental injustices and health disparities across intersections of race, ethnicity, class, and gender. In turn, we explore how people work to remedy environmental problems. These lessons are applied to understanding, researching, and addressing contemporary environmental justice issues.

### **CRES 30303 - Feminisms of Color (3)**

Prerequisites: Any WGST-prefix or attribute course OR any CRES-prefix or primary attribute course. An interdisciplinary course exploring the feminist theories, traditions, activisms, discourses, and praxes of women of color in a US context. Using an intersectional approach, the course examines how race, class, gender, sexuality, citizenship status, ability, religion, and other markers of identity create complex systems of marginalization in the lives of women of color in the United States. Students will analyze the contributions US women of color have made to contemporary feminist thought and how these theories have influenced their activism.

### **CRES 30403 - Transnational Gender & Sexuality (3)**

This interdisciplinary course considers the fundamental place of gender and sexuality in shaping a range of cultural narratives and examines how various movements related to gender and sexuality have been constructed, contextualized, and regulated in different parts of the world. The course analyzes the gendered dimensions of complex phenomenon such as colonialism, globalization, and capitalism and situates liberal Western feminism's history and contemporary articulation within global systems of power. Students will develop an analytical framework for examining the intersections of social justice, transnational identities, and feminism.

### **CRES 30503 - Crimmigration (3)**

Prerequisites: One approved CRES-attribute course. This course will examine issues within crimmigration studies that raise questions about immigration, race/racism, crime/criminalization, policy, citizenship, and resistance and will explore how Latinas/os/xs and immigrants encounter the criminal justice system and immigration enforcement in the United States. Students will come to understand important questions regarding crimmigration, such as its origins in the United States, how policy has historically racialized and excluded migrants, debunking myths surrounding immigrants and crime/jobs, and ways to counterprogram and resist crimmigration.

### **CRES 30803 - TCU Justice Journey (3)**

An experiential-learning course focused on racial justice, intersectional activism, leadership development, and social change. Topics vary each offering, but they include the African American freedom struggle (civil rights movement), the Chicano/a Movement, Latino/a politics, immigrant rights, LGBT liberation, and mixtures of these subjects. The class centers on the TCU Justice Journey, a weeklong immersion trip related to the content, and also includes part-time internships or other community-engaged pedagogy. Course may be retaken on different topics for additional credit.

### **CRES 30993 - Special Topics in Comparative Race and Ethnic Studies (3)**

Courses dealing with subjects or issues related to race and ethnicity both within and/or beyond the United States, focusing on a particular area of specialization. The specific topics will be changed from semester to semester, and the course may be repeated for credit when the topic is different.

### **CRES 32103 - Black Life and Resistance (3)**

Prerequisites: CRES 20103. Black Life and Resistance Seminar explores the historic and contemporary experiences of African-descended peoples who comprise the African Diaspora. Taking an interdisciplinary approach that draws upon fields of history, sociology, literature, religion, and performance, we will deepen our understanding of blackness in the world. This course adds complexity to prevailing discourses on black experience.

### **CRES 40003 - CRES Capstone Seminar (3)**

Prerequisites: CRES 30003, Interdisciplinary Inquiry OR an approved research methods course listed under the CRES Associated Requirements OR another methods course with program permission. Limited to CRES majors and minors OR minors in CRES-affiliated programs with approval. This course gives each student the opportunity to produce an article-length, substantive original research paper or the equivalent length new media, creative, or legacy project with accompanying justification essay. Using one or more (inter-) disciplinary approaches to inquiry, students will choose a particular problem or subject, design a plan for how to tackle the issue, and then explore it in great detail for the entire semester, culminating in a polished capstone project essay as well as a community presentation of their research findings or creative products.

### **CRES 40903 - Independent Study in CRES (1.00-20.00)**

Specialized study under faculty supervision.

### **CRES 40993 - Internship & Field Research Experience (3)**

Prerequisites: Permission of the Internship Coordinator. Supervised internships where students will integrate comparative race and ethnic theory and practice in a professional setting. Students are expected to spend 150 hours in a local placement and work closely with Internship Director.

## CRJU - Criminology & Criminal Justice

### CRJU 10121 - Career Planning, Ethics, and Professional Development in Criminology & Criminal Justice (1)

Prerequisites: Must be a CRJU major or minor. An exploration of career planning strategies and resources designed to prepare students for effective job searches and overall professional development. Students will apply research and evaluation skills with regard to job search and career advancement opportunities. Among the topics addressed in the course are: ethics, report writing and other forms of communication, interviewing, resume preparation, networking, and public speaking.

### CRJU 20413 - Introduction to Criminal Justice (3)

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, courts and corrections.

### CRJU 20423 - Critical Issues in Crime and Justice (3)

An examination of the major controversies and issues confronting the criminal justice system today. Emphasis is on development of critical thinking skills and their application to justice-related problems.

### CRJU 20873 - Research Design in Criminology & Criminal Justice (3)

An introduction to various methods and issues of data collection in criminal justice. Topics include sampling, measurement, surveys, experimental design, qualitative methods, and ethical issues in research.

### CRJU 20883 - Data Analyses in Criminology & Criminal Justice (3)

An introduction to statistical data analysis most commonly used in criminal justice research. Topics include data as well as basic descriptive and inferential statistics with an emphasis on interpretation of results.

### CRJU 20990 - International Residential Study (1.00-20.00)

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 Criminology & Criminal Justice (3)

For Honors students and other selected superior students with permission of the Chair of the Criminology & Criminal Justice Department. Includes discussion of the criminal justice literature concerning significant issues and trends.

### CRJU 30223 - Contemporary Topics in Criminal Justice (3)

An examination of topics of current interest in crime and justice. Topics change, therefore this course may be taken more than once when topics differ.

### CRJU 30333 - Criminological Theory (3)

An examination of historical and modern criminological theories. Emphasis is given to the utility of various theories in explaining criminal behavior and creating effective policy.

### CRJU 30383 - Institutional Corrections (3)

An examination of institutional corrections. Philosophies of punishment, and the history of corrections that gave rise to the modern penitentiary are highlighted. Both the formal and informal organization of prisoners and prison administrators are addressed in relation to the inmate/correctional officer experience of the institution.

### CRJU 30423 - Courts and Judicial Process (3)

An examination of the American court system. Topics 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 (3)

Prerequisites: CRJU 20413. An examination of the purpose, objective, and sources of criminal law. Principles of criminal liability and defenses as well as the elements of criminal offenses are explored. The differences between statutory law and common law are discussed.

### CRJU 30453 - Juvenile Justice (3)

This class offers an in-depth examination of the juvenile justice system. This includes the historical development of the juvenile justice system and the idea of delinquency, the major components of the juvenile

justice system and critical issues therein, and the laws and procedures that govern the system.

### CRJU 30523 - Crime Scene Investigation (3)

Prerequisite: CRJU 20413 or permission of the instructor. 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 - Social Work in the Criminal Justice System (3)

This course examines theories and methods of social work intervention, with an emphasis on intervening with justice-involved clients. Students will develop skills that can be applied to practice with individuals, families, and groups in both community-based and institutional criminal justice settings. This course is most relevant for students who are Criminal Justice and Social Work majors and minors (course may be offered as CRJU or SOWO credit).

### CRJU 30543 - Criminalistics (3)

An examination of the various techniques and instruments used to analyze organic and non-organic evidence obtained from crime scenes, with an examination of techniques such as DNA analysis.

### CRJU 30553 - Constitutional Law for Criminal Justice (3)

Prerequisites: CRJU 20413 or 20423 or permission of instructor. An examination of the constitutional principles in criminal procedure with an emphasis on laws that govern police/citizen encounters, pretrial identification, rights at trial, cruel and unusual punishment, equal protection and due process.

### CRJU 30613 - Police in a Free Society (3)

An examination of the organization and administration of law enforcement agencies, the function of police, police discretion, ethics, community relations, and the future of policing in American society.

### CRJU 30633 - Federal Law Enforcement (3)

An examination of 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 (3)

An examination of the role of the community in reintegrating 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 30653 - Controversial Issues in Policing (3)

An examination of controversial issues in policing. The course is contextualized in police history and culture as well as contemporary research in policing and news events. Emphasis is placed on understanding the underlying reasons and root causes of many of the conflicts pertaining to police work.

### CRJU 30703 - Crime Mapping (3)

An exploration of the many ways Geographical Information Systems (GIS) technology is used for crime mapping and pattern analysis. The course provides a general overview of crime mapping techniques, including their theoretical background, application, trends and future directions. The course has an integrated lab component that is designed to introduce the student to the software application ArcGIS.

### CRJU 30813 - Sex Crimes (3)

Prerequisites: CRJU 20413 or 20423 or permission of instructor. A critical examination of sexual offending from psychological, sociological, and criminological perspectives. Emphasis is placed on the etiology and historical perspectives of offending, measuring the incidence and prevalence of sex crimes, sex offender legislation and criminal justice responses, correctional treatments for sex offenders, victim experiences, and the prevention of sex crimes.

### CRJU 30823 - Criminal Violence (3)

An examination of the various types of criminal violence and the criminal justice system's responses to it. Discussion topics include domestic violence, mass murder, serial killing, riots, and gang violence.

**CRJU 30833 - Crime Victims (3)**

An examination of crime victims from a multidisciplinary perspective that includes a critical focus on the development and current state of victimology research, theory, and measurement. Specific victim groups are explored, as are the role victims and survivors play in the criminal justice and legal system, and the services available to them.

**CRJU 30853 - Multiculturalism in the Criminal Justice System (3)**

An 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 30863 - Law, Justice, and Social Control (3)**

Prerequisites: CRJU 20413 or 20423 or permission of instructor The examination of the mechanisms and principles in which laws function and are formed. An exploration of the social ramifications of law with consideration that while law and legal systems produce social order, they can also create and reinforce social disparities.

**CRJU 30883 - Crime and Justice in Scandinavia and the Netherlands (3)**

Prerequisites: CRJU 20413 or 20423 or permission of instructor. This course is an examination of crime and justice in Norway, Denmark, and the Netherlands. The course will adopt a criminological and cultural perspective in studying crime, criminal justice policy, and the criminal justice systems in these countries and in comparison to the United States. Lectures, assigned readings, field trips, guest speakers, and other events are included to expand the global awareness and responsibility of students.

**CRJU 30893 - Comparative Criminology in Scandinavia (3)**

This course is an examination of the major similarities and differences between the American experience of crime and justice and that of the Scandinavian countries: including Norway, Sweden, and Denmark. The course will adopt a criminological and cultural perspective in trying to identify differences between the countries and how these differences lead to distinctions in criminal justice policy and process. Specific topics include but are not limited to: policing, drug policy, prostitution, incarceration and corrections, crime rates, and the judicial process. As an anticipated outcome students will demonstrate a capacity for a more global perspective of criminology and criminal justice.:

**CRJU 30923 - Organized Crime (3)**

Prerequisites: CRJU 20413 or 20423 or permission of instructor 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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

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 (1.00-20.00)**

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 Criminology & Criminal Justice (3)**

For Honors students obtaining a B.S. in Criminology & Criminal Justice. A research study and paper, under faculty direction, conducted in some area of criminal justice.

**CRJU 40403 - Cyber Crime (3)**

An examination of cyber and high-tech crime addressed from a criminological perspective. Emphasis is placed on the nature, scope, and development of these crimes. 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 40473 - Youthful Offenders (3)**

An examination of juvenile delinquency, with particular consideration of theoretical explanations, community influences, and prevention and treatment efforts. Youthful offenders and their behaviors are addressed from both a historical and contemporary perspective. NOTE: Credit not awarded for both CRJU 40473 and CRJU/SOCI 40463.

**CRJU 40503 - White Collar Crime (3)**

Prerequisites: CRJU 20413 or instructor permission. An examination of the various aspects and dimensions of white collar crime. 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 (3)**

Examination of current issues and social problems relating to terrorism and homeland security. Emphasis is placed on recognizing and responding to terrorist threats with respect to individual rights and security.

**CRJU 40853 - Race, Ethnicity, and Crime (3)**

This course explores the relationship between race, ethnicity, and the criminal justice system in the United States. While contextualized in the criminological perspective, this course will explore a multidisciplinary understanding of this topic. The ability of policies to both increase and decrease racial and ethnic disparities is examined.

**CRJU 40963 - Internship in Criminology & Criminal Justice (3)**

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 regularly meets with all interns in a seminar discussion of internship problems and activities. Each student will submit a final written report and evaluation.

**CRJU 40970 - Independent Study in Criminal Justice (1.00-6.00)**

A specific program of study that must be approved by the Chair of the Criminology & Criminal Justice Department 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.

## CRWT - Creative Writing

### CRWT 10203 - Introduction to Creative Writing (3)

Workshop 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.

### CRWT 20103 - Reading as a Writer (3)

Introduces concepts of close reading and the creative writing workshop. Engages questions of the role of reading in culture, its impact on understanding complex issues, and the connection of reading to composing.

### CRWT 20123 - Travel Writing (3)

Introduces concepts of close reading and the creative writing workshop. Engages the craft of travel writing within and across cultures as a way to deepen awareness of what it means to be a global citizen, while fostering a more nuanced view of the individual in the world.

### CRWT 20133 - Performing Identity (3)

Workshop in which students will read and analyze plays, experimental collaborative performances, and poetry, specifically focusing on the construction of identity through the written word and performance. Students will also get experience writing their own plays and poetry, as well as receive constructive critiques on their own written work.

### CRWT 30233 - Creative Nonfiction Workshop I (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A creative nonfiction writing class for students with some experience in creative writing. In this course, students will get experience writing memoir, personal essays, autobiography, oral history, and in other nonfiction genres.

### CRWT 30343 - Fiction Writing Workshop I (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A fiction writing class for students with some experience in creative writing. Student cannot receive credit for CRWT 55153 and CRWT 30343.

### CRWT 30353 - Poetry Writing Workshop I (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A poetry writing class for students with some experience in creative writing. Student cannot receive credit for CRWT 55273 and CRWT 30353.

### CRWT 30363 - Digital Creative Writing (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. Explores the composition of creative work using digital technologies - collage, graphic narratives, multimedia poetry/fiction, and creative short animations. Course emphasizes concepts in creative writing, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating typography, image, and other modes. Student cannot receive credit for CRWT 55363 and CRWT 30363.

### CRWT 30373 - Drama Writing Workshop I (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Student cannot receive credit for CRWT 55213 and CRWT 30373.

### CRWT 40133 - Creative Nonfiction Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203, ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A creative nonfiction writing class for students with some experience in creative writing, this a craft/workshop course intended for advanced writers who have a committed interest in creative non-fiction (such as personal essay, literary journalism, travel writing, science writing, memoir, and other non-fiction genres) and are comfortable writing longer works of prose. As a workshop, students will work cooperatively to share and improve each others' work during the semester. Student cannot receive credit for CRWT 55133 and ENGL/WRIT/CRWT 40133.

### CRWT 40203 - Fiction Writing Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203, ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. An advanced fiction-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT/CRWT 30343 (Fiction Writing Workshop I).

### CRWT 40213 - Poetry Writing Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203, ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. An advanced poetry-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT/CRWT 30353 (Poetry Writing Workshop I).

### CRWT 40223 - Drama Writing Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203, ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. An advanced dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Prior to enrollment, students are strongly encouraged to take another 30000-level course in creative writing. Student cannot receive credit for CRWT 55223 and CRWT 40223.

### CRWT 40703 - Advanced Multi-Genre Workshop (3)

Prerequisites: CRWT 10203, or CRWT 20103, or CRWT 20133, plus the prior completion of a 30000-or 40000-level Creative Writing Workshop with a grade of at least B-. The Advanced Multi-Genre Workshop is a craft/workshop course in writing poems, fiction, and creative non-fiction. This class is intended for students who are dedicated to creative writing, who have a strong background in creative writing and sustained experience workshoping. This class is repeatable for credit. Student cannot receive credit for CRWT 55703 and CRWT 40703.

### CRWT 40803 - Advanced Literary Forms (3)

Prerequisites: CRWT 10203 or 20103 or 20133, and at least one 30000-or 40000-level Creative Writing Workshop. An advanced examination of texts representing a specified formal tradition within a literary genre. Readings will focus on craft techniques and reader expectations in the given formal tradition, familiarizing participants with varied examples within its canon. Students will construct and critique their own original writing representative of the formal tradition under study. Focus of literary genre may vary with each offering (i.e., novella, epic poem, one-act plays, et cetera).

### CRWT 55103 - Creative Nonfiction Workshop I (3)

Prerequisites: CRWT 10203 or CRWT 20103. A creative nonfiction writing class for students with some experience in creative writing. In this course, students will get experience writing memoir, personal essays, autobiography, oral history, and in other nonfiction genres. The course may also include reading of major nonfiction writers from the Renaissance to the present. Student cannot receive credit for CRWT 55103 and CRWT/ENGL/WRIT 30233.

### CRWT 55133 - Creative Nonfiction Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203, ENGL/WRIT/CRWT 20103 or ENGL/WRIT/CRWT 20133. A creative nonfiction writing class for students with some experience in creative writing, this a craft/workshop course intended for advanced writers who have a committed interest in creative non-fiction (such as personal essay, literary journalism, travel writing, science writing, memoir, and other non-fiction genres) and are comfortable writing longer works of prose. As a workshop, students will work cooperatively to share and improve each others' work during the semester. Student cannot receive credit for CRWT 55133 and ENGL/WRIT/CRWT 40133.

### CRWT 55143 - Studies in Creative Writing (3)

Prerequisites: CRWT 10203, CRWT 20103, or CRWT 20133. Prior to enrollment, students are also strongly encouraged to take an upper-division creative writing course. Studies in Creative Writing 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. Student cannot receive credit for CRWT 55143 and ENGL 50233.

### CRWT 55163 - Fiction Writing Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103. An advanced fiction-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT 30343 (Fiction Writing Workshop I). Student cannot receive credit for CRWT 55163 and ENGL/WRIT/CRWT 40203.

### CRWT 55173 - Poetry Writing Workshop II (3)

Prerequisites: ENGL/WRIT/CRWT 10203 or ENGL/WRIT/CRWT 20103. An advanced poetry-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT/CRWT 30353 (Poetry Writing Workshop

I). Student cannot receive credit for CRWT 55173 and ENGL/WRT/CRWT 40213.

#### **CRWT 55213 - Drama Writing Workshop I**

Prerequisites: CRWT 10203 or 20103. An advanced dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Prior to enrollment, students are strongly encouraged to take another 30000-level course in creative writing. Student cannot receive credit for CRWT 55213 and CRWT 30373.

#### **CRWT 55223 - Drama Writing Workshop II (3)**

Prerequisites: ENGL/WRT/CRWT 10203, ENGL/WRT/CRWT 20103 or ENGL/WRT/CRWT 20133. An advanced dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Prior to enrollment, students are strongly encouraged to take another 30000-level course in creative writing. Student cannot receive credit for CRWT 55223 and CRWT 40223.

#### **CRWT 55703 - Advanced Multi-Genre Workshop (3)**

Prerequisites: CRWT 10203, or CRWT 20103, or CRWT 20133, plus the prior completion of a 30000-or 40000-level Creative Writing Workshop with a grade of at least B-. The Advanced Multi-Genre Workshop is a craft/workshop course in writing poems, fiction, and creative non-fiction. This class is intended for students who are dedicated to creative writing, who have a strong background in creative writing and sustained experience workshoping. This class is repeatable for credit. Student cannot receive credit for CRWT 55703 and CRWT 40703.

#### **CRWT 55973 - Directed Study in Creative Writing**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000-or 20000-level ENGL/WRT/CRWT course. Directed Study in Creative Writing.

## **DANC-Classical-Contemporary-Dance**

#### **DANC 10211 - Pilates I (1)**

Prerequisites: Dance major or permission of instructor. This introductory level course is the first in the Pilates I-IV series. Through the Pilates work, students engage in practice and analysis of the body in action, and learn to work functionally, efficiently and safely.

#### **DANC 10221 - Pilates II (1)**

Prerequisites: Dance major and/or DANC 10211. This intermediate level course is the second in the Pilates I-IV series. Through the Pilates work, students engage in practice and analysis of the body in action, and learn to work functionally, efficiently and safely.

#### **DANC 10300 - Dance Production Practicum I (0.5)**

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.) (This course is only offered as P/NC.)

#### **DANC 10302 - Music for Dancers (2)**

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 - Career Preparation I (1)**

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 - CHOR I: Improvisation (2)**

Prerequisite: Dance Major and 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 10331 - International Dance Forms (1)**

This course provides studio practice of an international dance form. Various dance forms will be offered and will be designated with a descriptive course title. Course may be repeated for credit.

#### **DANC 10341 - The Working Body (1)**

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 10412 - Beginning Ballet for General Students (2)**

Beginning ballet for general students. Introduction to theory and practice of classical ballet for general students. This is a studio-based movement course. (Course may be repeated for credit.)

#### **DANC 10422 - Beginning Modern Dance for General Students (2)**

Introduction to the training, theory and practice of foundational modern dance and contemporary dance forms at the beginner level. This is a studio-based movement course. (Course may be repeated for credit.)

#### **DANC 10430 - Social Dance (1)**

This course is the study of various Social Dance styles. The styles offered each semester will vary. Classes include basic movement patterns, technique, elements of style, lead and follow (as applicable), and dance etiquette. Course content will be drawn from ballroom or other partner dance styles including circle dances, line dances, and club dances. Course may be repeated. (1-2 credit hours.)

#### **DANC 10432 - Character Dance (2)**

Introduction to character dances selected from a variety of classical ballets designed to develop character dance technique and musicality.

#### **DANC 10453 - Dance in World Cultures (3)**

Historical and critical examination of dance as a fundamental human expression present across world cultures.

#### **DANC 20100 - Classical Ballet Technique Level I (1.00-2.50)**

Prerequisite: Dance Major status or permission of instructor. Training in the foundational technique of classical ballet. (1.0 - 2.5 hours maximum per semester. Course may be repeated for credit.)

#### **DANC 20120 - Directed Studies (.50-3.00)**

Prerequisites: Dance majors only or permission of instructor. Independent project supervised by faculty. (0.5 - 3 credit hours per course.) May be repeated for credit.

#### **DANC 20200 - Modern Dance Technique Level I (1.00-2.50)**

Prerequisite: Dance Major status or permission of instructor. Training, theory and practice in foundational classical modern and/or contemporary dance forms at the beginning level. 1 credit min to 2.5 hours maximum per semester. Course may be repeated for credit.

#### **DANC 20211 - Pilates III (1)**

Prerequisites: Dance major and/or DANC 10221. This intermediate-advanced level course is the third in the Pilates I-IV series. Through the Pilates work, students engage in practice and analysis of the body in action, and learn to work functionally, efficiently and safely.

#### **DANC 20221 - Pilates IV (1)**

Prerequisites: Dance major and/or DANC 20211. This advanced level course is the fourth in the Pilates I-IV series. Through the Pilates work, students engage in practice and analysis of the body in action, and learn to work functionally, efficiently and safely.

#### **DANC 20262 - Contact Improvisation (2)**

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. May be repeated for credit.

#### **DANC 20300 - DanceTCU I (0.5)**

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 (3)**

Prerequisites: Dance major or permission of instructor. Three hours lecture/movement lab and 1 hour science lab each week. This course presents various scientific tools of movement analysis that supports and

facilitates the work of dance professionals. Emphasis will be placed on using scientific research to develop a greater understanding of the form and function of the body in order to optimize dance-training practices.

**DANC 20322 - Choreography II: Elements of Dance Composition (2)**

Prerequisite: DANC 10312, Dance Major, 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 (3)**

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 20412 - Intermediate Ballet Technique for General Students (2)**

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 for credit.)

**DANC 20422 - Intermediate Modern Dance Technique for General Students (2)**

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 for credit.)

**DANC 20442 - Jazz Dance I (2)**

Study and practice at a beginner/intermediate level of dance styles that are influenced by the many roots of jazz dance. Structure of class will include warm-up, technical practice, progressions, and choreography. Course content will draw from Musical Theatre, Theatrical Jazz, Vernacular, Hip-hop, and Latin influences. Course may be repeated for credit.

**DANC 20452 - Jazz Dance II (2)**

Prior dance training required. Study and practice at an intermediate/advanced level of dance styles that are influenced by the many roots of jazz dance. Structure of class will include warm-up, technical practice, progressions, and choreography. Course content will draw from Musical Theatre, Theatrical Jazz, Vernacular, Hip-hop, and Latin influences. Course may be repeated for credit.

**DANC 20990 - International Residential Study (1.00-20.00)**

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 Level II (2.00-2.50)**

Prerequisite: Dance Major; DANC 20100 or permission of instructor. Daily training in the contemporary practice of classical ballet at the intermediate level. (2.0 - 2.5 hours maximum per semester. Course may be repeated for credit.)

**DANC 30111 - Pointe (1)**

Prerequisites: Ballet Major and concurrent enrollment in Ballet Technique (DANC 30100, 40100 or 50100); or permission of instructor. This course develops the strength, technique and skill specific to pointe work at the advanced level of technique. Repeatable for credit.

**DANC 30132 - Teaching Methods-Ballet (2)**

Prerequisite: Dance Major with junior or senior standing or permission of instructor. Theory, methods of teaching dance with specific focus on ballet.

**DANC 30161 - Ballet Repertoire (1)**

Prerequisite: Dance Major, DANC 30111, and concurrent enrollment in DANC 30100, 40100, or 50100, or permission of instructor. Practice and performance of ballet repertoire from the Romantic, Classical, Neo-Classical, and Contemporary ballet repertoire. Repeatable for credit.

**DANC 30181 - Ballet Partnering (1)**

Prerequisites: Dance Major enrollment by permission only. Emphasis on partnering in classical and contemporary ballet. Course may be repeated for credit.

**DANC 30200 - Modern Dance Technique Level II (1.00-2.50)**

Prerequisite: Dance major status or permission by instructor. Training, theory and practice of classical modern and/or contemporary dance forms at the intermediate level. (1 hour minimum - 2.5 hours maximum per semester.)

**DANC 30211 - Pilates Practicum I (1)**

Prerequisites: Dance Major, DANC 20221 and permission of the instructor. This course is an advanced Pilates course and first in the Practica I-IV series. Content in Practica I-IV is progressive and moves the student toward the completion of comprehensive professional training in the Pilates system addressing skills, theory, history, teaching practice and philosophy.

**DANC 30221 - Pilates Practicum II (1)**

Prerequisites: Dance Major and DANC 30211. This course is an advanced Pilates course and second in the Practica I-IV series. Content in Practica I-IV is progressive and moves the student toward the completion of comprehensive professional training in the Pilates system addressing skills, theory, history, teaching practice and philosophy.

**DANC 30232 - Teaching Methods - Modern Dance (2)**

Prerequisites: Dance major and DANC 30200. Theory, methods and materials of teaching dance with specific focus on modern and contemporary dance.

**DANC 30300 - Dance Production Practicum II (0.5)**

Prerequisites: Dance 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.) (This course is only offered as P/NC.)

**DANC 30301 - Somatic Practicum: (1)**

Prerequisites: Dance Major or permission of instructor. May be repeated for credit. This course will explore a specific somatic modality that may include but is not limited to: Gyrotonic®, Gyrokinesis®, Feldenkreis, Hamilton Floor Barre, Floor Barre, Alexander Technique®, or other somatic practice based in the faculty member's expertise. 1 credit. May be repeated for credit.

**DANC 30303 - Junior Honors Seminar (3)**

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 - Career Preparation II (1)**

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 (1.00-3.00)**

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 III: Intermediate Dance Composition (2)**

Prerequisites: DANC 20322, Dance Major and 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 Design for Dance (3)**

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 (3)**

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 (1.00-20.00)**

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 - Classical Ballet Technique Level III (2.00-2.50)**

Prerequisite: Dance Major and DANC 30100 or permission of instructor. Daily training in the contemporary practice of classical ballet at the advanced level. (2.0 - 2.5 hours maximum per semester. Course may be repeated for credit.)

**DANC 40120 - Directed Studies (.50-3.00)**

Prerequisites: Dance major or permission of instructor. Independent project supervised by faculty. (0.5 - 3 credit hours per course.) May be repeated for credit.

**DANC 40150 - Classical Ballet Technique Level IV (2.00-2.50)**

Prerequisite: Dance Major; DANC 40100 or permission of instructor. Daily training in the contemporary practice of classical ballet at the advanced/professional level. (2.0 - 2.5 hours maximum per semester. Course may be repeated for credit.)

**DANC 40200 - Modern Dance Technique Level III (1.00-2.50)**

Prerequisite: Dance Major or permission of instructor. Training, theory and practice of classic modern and/or contemporary dance forms at the intermediate/advanced level. (1 hour minimum - 2.5 hours maximum per semester.) Course may be repeated for credit.

**DANC 40211 - Pilates Practicum III (1)**

Prerequisites: Dance Major and DANC 30221. This course is an advanced Pilates course and third in the Practica I-IV series. Content in Practica I-IV is progressive and moves the student toward the completion of comprehensive professional training in the Pilates system addressing skills, theory, history, teaching practice and philosophy.

**DANC 40221 - Pilates Practicum IV (1)**

Prerequisites: Dance Major and DANC 40211. This course is an advanced Pilates course and fourth in the Practica I-IV series. Content in Practica I-IV is progressive and moves the student toward the completion of comprehensive professional training in the Pilates system addressing skills, theory, history, teaching practice and philosophy.

**DANC 40272 - Advanced Performance Practicum (2)**

Prerequisites: Dance major or permission of instructor. Dancers are challenged to enhance performance abilities and further develop artistry.

**DANC 40293 - Critical Studies in Dance (3)**

Prerequisites: Dance Major and DANC 40373 and 40383, or permission of instructor, and completion of ENGL 10803 and 20803. This course uses critical theories and research methodologies as frameworks through which to analyze various phenomena in Dance Studies. UCR: TCU CC: Humanities, Writing Emphasis

**DANC 40300 - DanceTCU II (0.5)**

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 (3)**

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 40312 - Screen Dance (2)**

Prerequisites: Dance Major and DANC 20333, or permission of instructor. This course offers students the opportunity to explore the principles and techniques for creating video dance works. Course may be repeated for credit.

**DANC 40343 - Choreography IV: Advanced Dance Composition (3)**

Prerequisites: DANC 30332, Dance Major and concurrent enrollment in Ballet and/or Modern Dance technique class, or permission of the instructor. 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 40373 - Dance History I (3)**

Prerequisites: Dance major or permission of instructor and successful completion of ENGL 10803 and 20803. This course examines the development of dance from a global perspective. Beginning in antiquity and culminating with the early Renaissance, it investigates social conditions, political situations, religious customs, cultural traditions, and economic contexts for the development of dance forms across the world.

**DANC 40383 - Dance History II (3)**

Prerequisites: DANC 40373, dance major or permission of instructor, and successful completion of ENGL 10803 and 20803. This course examines the context and lineage of Western Concert Dance from the Renaissance to the present day: it analyzes historical trends and their development over time; it attends to notable figures and seminal dance works; and it traces the migrations of Western Concert dance throughout Europe, Russia, and North America.

**DANC 40393 - BFA Capstone (3)**

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 and/or performance crafting informed by artistic judgments and personal values. This course requires the integration of theatrical production elements. CFA

**DANC 40970 - Special Topics in Dance (1.00-3.00)**

Directed individual topics beyond the scope of existing coursework. Students must first discuss the nature of intended studies and obtain written permission of the instructor. (More than 3 hours per class requires permission of instructor. May be repeated.)

## DCDA - Digital Culture and Data Analyt

**DCDA 30003 - Junior Honors Seminar (3)**

Prerequisites: Department permission and enrollment in the Digital Culture and Data Analytics (DCDA) minor. A directed-study course open to Honors students enrolled in the Digital Culture and Data Analytics (DCDA) minor who wish to do research on a topic in Digital Culture and/or Data Analytics in preparation for writing the honors thesis in DCDA 40003 (Senior Honors Seminar). Students are required to produce an annotated bibliography a clearly articulated thesis, and a detailed outline.

**DCDA 40003 - Senior Honors Seminar (3)**

Prerequisites: Department permission and DCDA 30003 with a grade of B or better. A directed-study course open to Honors students enrolled in the Digital Culture and Data Analytics (DCDA) minor for writing the honors thesis based on research conducted in DCDA 30003 (Junior Honors Seminar). The completed project must be approved by two faculty members affiliated with the DCDA program.

**DCDA 40833 - Digital Culture and Data Analytics Capstone Course (3)**

Prerequisites: MATH 10043 or INSC 20153 and GEOG 30323 or COSC 10603. This course is designed as a capstone experience for students in the Digital Culture Data Analytics (DCDA) Minor. Hence, the course is designed to give students the opportunity to develop a semester long project that will allow them to practice, reflect upon, and publicly showcase their work as students in the DCDA program.



## DSGN - Design

### DSGN 10103 - Introduction to Creative Practice (3)

An introduction to and overview of creative practices used in the applied arts, design, and communication professions.

### DSGN 10113 - Drawing for Design (3)

Prerequisites: Permission of instructor. An introduction to drawing as practiced in applied design disciplines.

### DSGN 10123 - Two-Dimensional Design Principles (3)

Prerequisites: Permission of Instructor. Study of two-dimensional design as it applies to design disciplines.

### DSGN 10133 - Color and Light Theory (3)

Prerequisites: Permission of Instructor. Study of light and color as it applies to design disciplines.

### DSGN 10143 - Three-Dimensional Design Principles (3)

Prerequisite: Permission of Instructor. Study of three-dimensional form and composition as it applies to design disciplines.

### DSGN 10153 - Introduction to Computer Graphics (3)

An introduction to and overview of the use of computers in graphic design. Emphasis on skills, including understanding and using the current graphic design software. This includes page-layout, vector-based drawing, scanning and image enhancement/manipulation.

## ECON - Economics

### ECON 10223 - Introductory Microeconomics (3)

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 (3)

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 (1)

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 (1)

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 20990 - International Residential Study (1.00-20.00)

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 (3)

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 (3)

Prerequisites: A 'C-' or better in ECON 10223 or 30223, or 31223, 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 (3)

Prerequisites: A C- or better in any 3 or more semester hours ECON course, and either MATH 10283 or MATH 10524. Microeconomics studies the behavior of individual economic agents and their interactions. Topics covered include consumer behavior and demand theory, the theory of the firm, gains from trade, market structure, and market failures. Credit not awarded for both ECON 30223 and ECON 31223.

### ECON 30233 - Intermediate Macroeconomics (3)

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 (3)

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 (3)

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 (3)

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 (3)

Prerequisites: A 'C-' or better in ECON 10223 or 30223 or 31223, 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 (3)

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 (3)

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 (3)

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 (3)

Prerequisites: A 'C-' or better in ECON 10223 or 30223 or 31223. 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 (3)

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 (3)

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 30503 - Health Economics (3)**

Prerequisites: A C- or better in any 3 or more semester-hour ECON course. Health Economics examines the determinants of health and health related behaviors, disease prevention and health promotion, health disparities and the impacts of health policy in bettering health outcomes. The course also examines the market for health insurance and health care services, focusing on the behaviors of consumers, providers of medical care, and the impact of policy on the price and quantity of health care services.

**ECON 30513 - Perspectives in International Economics (3)**

Prerequisites: At least three hours of economics with a grade of C- or better. Analysis of international trade theory, economics development, and exchange rates and capital flows from the perspective of competing schools of thought. Special emphasis is placed on how the unique foundational elements of each lead to significantly different interpretations of the vary same real-world phenomena.

**ECON 30523 - Resource and Energy Economics (3)**

Prerequisites: ECON 30223 or 31223 for economics majors; ECON 10223 for all others. This course examines issues regarding the use and management of natural resources from the perspective of economics. Topics include the valuation of natural resources, efficient extraction models for non-renewable resources, efficient allocation of water and land, and sustainable development of fishery. This course will also explore issues in energy economics, including the market structure of oil and natural gas, the environmental impacts of energy use, and the transition to renewable energy sources.

**ECON 30533 - Happiness: Culture, Economics, and Being**

Prerequisites for ECON 30533: 'C-' or better in ECON 30243; for ANTH 30533: no prerequisite. Explores anthropological and economic perspectives on happiness and human flourishing: the diverse ways in which well-being is conceptualized and experienced in different cultural contexts, the complex relationship between well-being and economic growth, and cross-disciplinary inquiry into the conditions and activities (such as community, ecology, dignity, creativity, generosity, trust, health, and inequality) that engender or impede human flourishing.

**ECON 30543 - Environmental Economics and Policy (3)**

Prerequisites: ECON 30223 or 31223 for economics majors; ECON 10223 for all others. This course examines modern environmental issues from an economic perspective. Topics include economic causes of environmental degradation, efficiency in environmental protection, benefit-cost analysis, non-market valuation, environmental policy and special topic on global climate change. Emphasis is on the role of economics in the formation of environmental policy.

**ECON 30723 - European Economic History I (3)**

Prerequisites: A 'C-' or better in any 3 or more semester hours ECON course, or instructor permission. This course examines the transformation of Western Europe from a pre-modern and medieval world, to a society on the verge of industrialization. Students investigate the technological, social and especially economic, changes that took place during this period and their effects.

**ECON 30733 - European Economic History II (3)**

Prerequisites: A 'C-' or better in any 3 or more semester hours ECON course, or instructor permission. This course examines the transformation of Western Europe from a pre-industrial society to the world's first highly industrialized economy from an economic perspective. The later relative (not absolute) decline of Western Europe is also examined. The focus is on the years from roughly 1700 to 1950. Students investigate the technological, social, and especially economic changes that took place during this period, as well as their importance.

**ECON 30763 - Economic Geography (3)**

Prerequisite: A C- or better in ECON 10223 or ECON 10233. Economic Geography is the study of how elements within the economy are spatially arranged, as well as the ways that space, place and spatial scales shape economic activities in different parts of the world. Through a series of readings, discussions, and research assignments, this course examines the distribution economic activities on the earth's surface; market resource and transportation factors in location theory, and the role of state, market and civil society's agents in management of the economy. Students are further introduced to Geographic Information Systems (GIS) through content-focused lab assignments, though no previous experience with GIS is required for this course.

**ECON 30773 - Public Choice (3)**

Prerequisites: 3 hours of any economics course. Public choice theory is the application of economic theory to non-market decision-making, specifically in the political sphere. It assumes the same principles that economists use to analyze actions in the marketplace - people are primarily driven by self-interest - and applies them to analyze choices made collectively (such as the outcomes of elections or how to govern common pool resources).

**ECON 30990 - International Residential Study (1.00-20.00)**

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 31223 - Intermediate Microeconomics: A Mathematical Approach (3)**

Prerequisite: A 'C-' or better in any 3 or more semester hours ECON course, and either MATH 10283 or MATH 10524. Microeconomics studies the behavior of individual economic agents and their interactions. Topics covered include consumer behavior and demand theory, the theory of the firm, gains from trade, market structure, and market failures. This course takes a more mathematical approach to the topics covered in ECON 30223. Credit not awarded for both ECON 30223 and ECON 31223.

**ECON 32990 - International Residential Study (1.00-20.00)**

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 36990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

Prerequisites: ECON 30223 or 31223, 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 (3)**

Prerequisites: A 'C-' or better in ECON 30223 or 31223. Theoretical and empirical examination of the interrelationships between market structure, conduct and performance in the industrial sector of the economy.

**ECON 40123 - Game Theory (3)**

Prerequisites: ECON 10223 or ECON 10233, INSC 20153 or MATH 10043. Game theory, also known as multi-person decision theory, analyzes situations in which payoffs to players depend on the behavior of other players as well as the player herself. The purpose of this course is to introduce the basics of game theory to undergraduate students in various disciplines. It focuses on fundamentals of game theory including basic concepts and techniques, various ways of describing and solving games, and various applications in economics, political sciences, and business. It will help students sharpen their understanding of strategic behavior in different situations involving many individuals. The students will learn how to recognize and model strategic situations, to predict when and how their action will have an influence on others, and to exploit strategic situations for the benefit of their own.

**ECON 40133 - Labor Economics (3)**

Prerequisites: A 'C-' or better in ECON 30223 or 31223. Economic analysis of labor market issues, including minimum wage legislation, compensating wage differentials, human capital investment, discrimination, and collective bargaining.

**ECON 40143 - Public Finance (3)**

Prerequisites: A 'C-' or better in ECON 30223 or 31223 or 30233. Theory of public choice; budgeting procedures; theory and methods of financing government expenditures; fiscal policy.

**ECON 40153 - Economics of Financial Markets (3)**

Prerequisites: A 'C-' or better in ECON 30233 or FINA 30203. 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 (3)**

Prerequisites: A 'C-' or better in ECON 30223 or 31223. 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 (3)**

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 (3)**

Prerequisites: A 'C-' or better in ECON 10223 OR 30223 OR 31223, and 10233 OR 30233, and MATH 10043 or MATH 30853 or INSC 20153. Techniques of simple and multiple regression. Methods for correcting problems of autocorrelation, heteroscedasticity, and multicollinearity.

**ECON 40323 - Time Series Econometrics (3)**

Prerequisites: A 'C-' or better in: ECON 10223 (Intro Microeconomics) or 30223 (Intermediate Microeconomics) or 31223 (Intermediate Microeconomics: Mathematical Approach), and ECON 10233 (Intro Macroeconomics) OR 30233 (Intermediate Macroeconomics), and MATH 10043 (Elementary Statistics) or MATH 30853 (Statistics) or INSC 20153 (Statistical Analysis)

**ECON 40413 - U. S. Economic History - The Founding Eras (3)**

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 (3)**

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 (3)**

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 40443 - Economics of Race, Ethnicity, and Gender (3)**

Prerequisites: A 'C-' or better in ECON 30243. This course examines the nature and causes of differences in economic welfare correlated with race, ethnicity, and gender. Basic background concepts such as implicit bias and the social construction of race, ethnicity, and gender are introduced along with rival economic theories purporting to explain the observed patterns. These theories will vary from those attributing differences to personal characteristics and choices to those arguing that systemic factors, privilege, and oppression play the decisive role.

**ECON 40463 - Perspectives in Macroeconomics (3)**

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.

**ECON 40493 - Macroeconomic Analysis and Communication (3)**

Prerequisites: A 'C-' in ECON 30233 and a 'C-' in INSC 20153, MATH 10043, or 30853. Introduces students to advanced theories of the business cycle, inflation, and other macroeconomic phenomena and shows them how to interpret real world data in the context of those theories with the goal of explaining and predicting trends. Students are

further instructed on the art of communicating their findings to specific non-economist audiences in terms of the latter's genre conventions, content expectations, and language dynamics. The class culminates with the creation of a report on contemporary macroeconomic conditions that will be shared publicly online.

**ECON 40513 - Perspectives in International Economics (3)**

Prerequisites: A 'C-' or better in ECON 30243. Analysis of international trade theory, economics development, and exchange rates and capital flows from the perspective of competing schools of thought. Special emphasis is placed on how the unique foundational elements of each lead to significantly different interpretations of the vary same real-world phenomena.

**ECON 40970 - Experimental Course (1.00-20.00)**

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 (1.00-20.00)**

Prerequisites: 18 hours in economics, an overall GPA of 3.25, a GPA in Economics of 3.5, and senior standing. The course will consist of supervised reading, research, and preparation of a substantial paper. The course content cannot duplicate an already existing TCU economics course. Students must receive preliminary approval from the department chair before developing a course plan with a faculty member.

**ECON 40990 - Economics Internship (1.00-6.00)**

Prerequisites: Must be an Economics major with a TCU cumulative GPA of at least 3.0. Must have completed a minimum of 12 hours in Economics, including either ECON 30223 or ECON 30233 with a grade of C- or better. The purpose of this course is to supplement the internship experience of economics majors through written reflection, periodic conversation with a supervising professor, and exploration of connections between academic economics and economics as understood and practiced in the workplace. Must work 90 hours for each semester hour of credit. May be taken a maximum of two times to earn up 6 total credit hours. A maximum of 3 credit hours can be applied towards the Economics major. P/NC only.

**ECON 50453 - Macroeconomic Studies (3)**

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.

## EDCS - Education - Curriculum Studies

**EDCS 50001 - Colloquium Curriculum Studies (1)**

Prerequisites: Admission into graduate studies or permission of instructor. Each semester, the colloquium addresses 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-Curriculum Studies students may join the colloquium with permission of instructor.

## EDEC - Education - Early Childhood

**EDEC 20013 - Science for Elementary Teachers (3)**

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 Next Generation Science Standards (NGSS) 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.

**EDEC 20990 - International Residential Study (1.00-20.00)**

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 (1)**

Prerequisite: Admission to the Teacher Education Program. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/No credit grades.

**EDEC 30003 - Professional Practice Seminar (3)**

Prerequisite: Admission to the Teacher Education Program. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/No credit grades.

**EDEC 30013 - Creative Thinking and Problem Solving: Science (3)**

Prerequisites: Admission to the Teacher Education Program. 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: Mathematics I (3)**

Prerequisites: Admission to the Teacher Education Program. This is a required course in the ECE Junior 1 Block. Using the guidelines set forth by the National Council of Texas of Mathematics and the State of Texas for mathematics instruction, the students will develop pedagogical content knowledge related to the development of conceptual understanding of geometry and measurement.

**EDEC 30033 - Creative Thinking and Problem Solving: Play and Creativity (3)**

Prerequisites: Admission to the Teacher Education Program. This is a required course in the ECE Junior 1 Block. With its theoretical and research-based framework, this course is designed to prepare students to support development, health, and learning through play. Students learn developmentally appropriate strategies for promoting creative thinking, inquiry, and self-expression in core content areas and the fine arts.

**EDEC 30073 - Critical Literacy and Children's Literature (3)**

This course offers an introduction to the analytical study of children's literature with a focus on children's books that focus on complex societal topics. We will explore books that address topics such as poverty, immigration, race, sexuality, war, and the Holocaust. We will study novels, picture books, and film. This course will enhance student understanding of people and cultures throughout the world.

**EDEC 30103 - Introduction to Early Childhood Education (3)**

Directed toward affecting prospective early childhood teachers' insights with regard to current issues and trends in early childhood education; curricula and assessment appropriate for a range of early childhood settings; and developmentally appropriate practice for young children ages birth to age 8. Classroom practicum is required.

**EDEC 30203 - Education in Elementary Curriculum: Mathematics II (3)**

Prerequisites: Admission to the Teacher Education Program. This is a required course in the ECE Junior 2 Block. 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 related to the development of conceptual understanding of data analysis and probability.

**EDEC 30213 - Creative Thinking and Problem Solving: Writing (3)**

Prerequisite: Admission to the Teacher Education Program. This is a required course in the ECE Junior 1 Block. 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 30221 - Learner-Centered Teaching: TESOL Field Experience (1)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in EDEC 30222.

**EDEC 30222 - TESOL Methods and Assessment in Elementary Education (2)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in Junior block courses. 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 elementary school ESL settings. Texas requirements for second language learners are addressed.

**EDEC 30223 - Education in Elementary Curriculum: Reading in Grades PK-2 (3)**

Prerequisite: Admission to the Teacher Education Program. Concurrent enrollment in Junior block courses. Focuses on the study of the nature of literacy and second language learning processes, including the Science of Teaching Reading, 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 grades PK-2. 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) (3)**

Prerequisite: Admission to the Teacher Education Program. 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 30323 - TESOL Methods and Assessment in Elementary Education (3)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in Junior block courses. 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 elementary school ESL settings. Texas requirements for second language learners are addressed.

**EDEC 30990 - International Residential Study (1.00-20.00)**

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**EDEC 31233 - Education in Elementary Curriculum: Social Studies (3)**

Prerequisite: Admission to Teacher Education. Based on state and national standards, theory, and research and with particular emphasis on active citizenship and diversity, this course introduces methods and resources for teaching social studies in EC-6 classrooms. Specific, practical methods for teaching social studies and integrating social studies disciplines with other content areas will be explored.

**EDEC 41102 - Learner-Centered Teaching: Assessment (2)**

Prerequisite: Admission to the Teacher Education Program and 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 41103 - Learner-Centered Teaching: Assessment (3)**

Prerequisite: Admission to the Teacher Education Program and 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 and concurrent enrollment in Senior I courses. This course explores the foundations of educational thought and practice through the works of influential thinkers from diverse philosophical, historical, geographical, intersectional, language, and cultural contexts. Students learn through lectures, readings, discussion, and collaborative assignments. This course meets requirement for the Citizenship and Social Values and Writing Emphasis, and Women and Gender Studies designations.

#### **EDEC 41123 - Learner-Centered Teaching: Families (3)**

Prerequisite: Admission to the Teacher Education Program, an Accelerated Masters program, and concurrent enrollment in Senior I courses. Provides a foundation for key theory, policy, and research trends informing family-school partnership practices and programming across the general and special education contexts. Also students will learn communication skills and associated practices for building relationships with family members within their broader scope of practice. Students will be exposed to varieties of family forms through didactic, interpersonal, and community/practical experiences

#### **EDEC 41132 - Learner Centered Teaching: Reading Instruction in Grades 3-6 (2)**

Prerequisites: Admission to the Teacher Education Program. Successful completion of EDEC 30223: Education in Elementary Curriculum: Reading in Grades PK-2. Concurrent enrollment in Senior 1 courses. In this 2-credit hour course, emphasis is given to the guidance of students as they progress through the continuum of literacy abilities in phonics, decoding, vocabulary and comprehension in grades 3-6. Introduces recent research, philosophies of instruction, curriculum development, literature, and assessments that can be used to improve students' reading and abilities.

#### **EDEC 41133 - Learner Centered Teaching: Reading Instruction in Grades 3-6 (3)**

Prerequisites: Admission to the Teacher Education Program. Successful completion of EDEC 30223: Education in Elementary Curriculum: Reading in Grades PK-2. Concurrent enrollment in Senior 1 courses. In this 3-credit hour course, emphasis is given to the guidance of students as they progress through the continuum of literacy abilities in phonics, decoding, vocabulary and comprehension in grades 3-6. Introduces recent research, philosophies of instruction, curriculum development, literature, and assessments that can be used to improve students' reading and abilities.

#### **EDEC 41143 - Learner-Centered Teaching: Management (3)**

Prerequisite: Admission to the Teacher Education Program and concurrent enrollment in Senior I courses. This course covers content related to: designing effective classroom environments to support appropriate student behavior and prevent challenging behavior and designing individualized plans for students who require more intensive behavioral support.

#### **EDEC 41151 - Learner-Centered Teaching: Senior Field Experience (1)**

Admission to the Teacher Education Program. Concurrent enrollment in Senior 1 courses. This course provides field-based experience for students enrolled in the Senior 1 block.

#### **EDEC 41153 - Learner-Centered Teaching: Internship (3)**

Prerequisite: Admission to the Teacher Education Program. This internship provides field-based experience for Senior I fall block coursework.

#### **EDEC 42213 - Professional Induction: Teaching Culturally and Linguistically Diverse Exceptional Learners (3)**

Prerequisite: Admission to the Teacher Education Programs. Concurrent enrollment in EDEC 42236, Professional Induction: Internship. Students develop curricula that meet the cultural, linguistic and developmental needs of all learners. Professional induction opportunities focus on placement file development, preparation of the interview process, Special Education and ESL or Bilingual certification standards.

#### **EDEC 42230 - Professional Induction: Residency (1.00-6.00)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in Teacher Residency Coursework. Students will fulfill the State's requirements for residency clinical teaching. This course is designed for pre-service teachers to further an understanding of the nature of teaching and the overall management of classrooms. This course can be repeated in subsequent semesters for additional credit. Clock hours completed align with credits earned. (This course is only offered as P/NC.)

#### **EDEC 42236 - Professional Induction: Internship (6)**

Prerequisite: Admission to the Teacher Education Program. Concurrent enrollment in EDEC 42213 (ESL or Bilingual Option) or EDSP 42213 (Special Education Option). During this semester, students will fulfill the State's requirements for student teaching. (This course is only offered as P/NC.)

#### **EDEC 50143 - Early Childhood Curriculum (3)**

Prerequisite: Admission to the Teacher Education Program. The study of basic principles underlying curriculum construction and instructional practices in early childhood and primary education.

#### **EDEC 55123 - Learner-Centered Teaching: Families (3)**

Prerequisite: Admission to the Teacher Education Program, an Accelerated Masters program, and concurrent enrollment in Senior I courses. Provides a foundation for key theory, policy, and research trends informing family-school partnership practices and programming across the general and special education contexts. Also students will learn communication skills and associated practices for building relationships with family members within their broader scope of practice. Students will be exposed to varieties of family forms through didactic, interpersonal, and community/practical experiences

#### **EDEC 55313 - Educational Assessment (3)**

Prerequisite: Admission to the Teacher Education Program and an Accelerated Masters program. 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 assessment 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 55663 - Motivating and Managing Students in the Classroom (3)**

Prerequisite: Admission to the Teacher Education Program and Accelerated Masters program. This course covers content related to: designing effective classroom environments to support appropriate student behavior and prevent challenging behavior and designing individualized plans for students who require more intensive behavioral support.

## **EDEL - Education - Elementary**

#### **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.

## **EDGU - Education - Guidance Counselor**

#### **EDGU 50223 - Helping Relationships (3)**

Prerequisite: Admission into counseling program or developmental trauma program. 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 (3)**

Prerequisite: Admission into counseling program or developmental trauma program. 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.

## **EDMS - Education - Middle School**

### **EDMS 30001 - Professional Practice Seminar (1)**

Prerequisite: Admission to the Teacher Education Program. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/No credit grades.

### **EDMS 30013 - Professional Roles and Responsibilities (3)**

Prerequisite: Admission to the Teacher Education Program 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.

### **EDMS 30103 - Developmental Psychology of Adolescence (3)**

Prerequisites: Students must be Education pre-majors, majors or minors who are seeking All-Level, Middle School, or Secondary School teacher certification. This course provides an introduction to selected theories of physical, cognitive, emotional, social, and identity development of adolescents. Special emphasis will be given to the practical application of developmental theory to educational contexts.

### **EDMS 30113 - Digital Literacy, Learning, and Citizenship in Education (3)**

Prerequisite: Completion or concurrent enrollment in EDUC 20003 or permission of the instructor. An overview of using technology effectively and responsibly in educational contexts. Focuses on use of current and emerging technologies for teaching, learning, research, assessment, communication, and collaboration. Addresses the rights and responsibilities of digital citizenship, including safe, legal and ethical use of digital information, as well as digital access, literacy, etiquette, and wellness. (Offered as EDMS, EDSE, or EDUC credit.)

### **EDMS 30123 - Educational Psychology (3)**

Psychological bases of the education process; theories of learning and motivation; individual differences, teaching strategies. Includes observations of children and adolescents in classroom settings.

### **EDMS 30603 - Study of Exceptional Students (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, EDUC 30013 and co-requisite EDUC 41151; A survey of programs for school-aged students with mental, physical and emotional deviations.

### **EDMS 40213 - Promoting Literacy in the Content Areas (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, and EDUC 30013; co-requisite: EDUC 41151. A course designed to acquaint the preservice teachers with strategies which facilitate middle and secondary students' use of reading and writing to learn from informational texts. A component of this course is a field-based practicum.

### **EDMS 40433 - Senior Seminar in Middle/Secondary Education: Mathematics (3)**

Prerequisite: Admission to the Teacher Education Program. 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 40443 - Methods for Teaching Middle School Mathematics I (3)**

Prerequisites: Admission to the Teacher Education Program, EDUC 20003, EDMS 30103, and EDMS 30013; corequisite: EDMS41151. 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 for teaching

middle school mathematics. The content (number and operations, algebra) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

### **EDMS 40463 - Methods for Teaching Middle School Social Studies (3)**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. This course will use the Texas Essential Knowledge and Skills (TEKS) and the National Council of Teachers of Social Studies as a framework to help students examine content, methodology, skills, and materials used to teach social studies to adolescents in middle grades. Students will engage in hands-on investigation, class discussions, readings and field placements with emphasis on developmentally appropriate practices in social studies instruction. Procedures for planning, implementing, and reflecting on social studies instruction will be used in school settings.

### **EDMS 40473 - Methods for Teaching Middle School Mathematics II (3)**

Prerequisites: Admission to Teacher Education Program, EDUC 20003, EDMS 30103, and EDMS 30013; corequisite: EDMS 41151. 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 for teaching middle school mathematics. The content (geometry, measurement, and data analysis and probability) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

### **EDMS 40533 - Senior Seminar in Middle/Secondary Education: Science (3)**

Prerequisite: Admission to the Teacher Education Program. 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 (3)**

Prerequisite: Admission to the Teacher Education Program. 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 40986 - Student Teaching in the Middle School (6)**

Prerequisite: Admission to the Teacher Education Program. 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. (This course is only offered as P/NC.)

### **EDMS 41151 - Field Experience in Education (1)**

Prerequisites: Admission to the Teacher Education Program, co-requisite: concurrent enrollment in an education course. Field Experience in Education is a field-based experience for education majors. Placements are in local schools. Students enroll in Field Experience in Education 2-3 times, depending on their major, during their teacher education program. (Course is only offered as P/NC)

### **EDMS 50023 - Effective Teaching and Classroom Implementation (3)**

Prerequisite: Admission to the Teacher Education Program; co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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, EDSE or EDUC credit.)

**EDMS 50153 - Literature for Adolescents (3)**

Prerequisites: Admission to the Teacher Education Program. This course provides an overview of young adult literature (YAL), while also exploring issues related to the use of YAL in the middle/secondary English classroom. The course provides students with opportunities to study the critical and pedagogical theories that inform the study of adolescent literature. There is a field based teaching component in a middle or secondary English classroom.

**EDMS 50173 - Development of Written Communication (3)**

Prerequisites: Admission to the Teacher Education Program. 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. This class provides opportunities to prepare lessons and teach in various TESOL and bilingual classroom contexts with cooperating teachers. Students will read about best practices for biliteracy development and have a chance to put this learning to practice, all with the goal of taking the on-going feedback and self reflection/assessment to grow as a teacher. The practicum requires candidates to work with emergent bilinguals over the span of the university semester.

**EDMS 50443 - Methods for Teaching Middle School Mathematics I (3)**

Prerequisites: Admission to the Teacher Education Program and corequisite: EDMS 41151 or EDUC 60980. 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 for teaching middle school mathematics. The content (number and operations, algebra) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

**EDMS 50453 - Methods for Teaching Middle School Mathematics II (3)**

Prerequisites: Admission to Teacher Education Program, and corequisite: EDMS 41151 or EDUC 60980. 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 for teaching middle school mathematics. The content (geometry, measurement, and data analysis and probability) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

**EDMS 50463 - Methods for Teaching Middle School Social Studies (3)**

Prerequisites: Admission to the Teacher Education Program, and corequisite: EDSE 41151 or EDUC 60980. This course will use the Texas Essential Knowledge and Skills (TEKS) and the National Council of Teachers of Social Studies as a framework to help students examine content, methodology, skills, and materials used to teach social studies to adolescents in middle grades. Students will engage in hands-on investigation, class discussions, readings and field placements with emphasis on developmentally appropriate practices in social studies instruction. Procedures for planning, implementing, and reflecting on social studies instruction will be used in school settings.

**EDMS 50553 - Methods for Teaching Middle School Science (3)**

Prerequisites: Admission to the Teacher Education Program, corequisite: EDMS 41151 or EDUC 60980. Using guidelines set forth by the National Research Council, the American Association for the Advancement of Science and the State of Texas, the students will develop pedagogical content knowledge for teaching middle science. Students will explore various aspects of the science teacher profession such as designing lessons/labs, aligning lessons to TEKS and frameworks, assessing student

work, constructing assessment tools, classroom management techniques and best practices in teaching science. Peer-teaching and peer-evaluation will be used to help students identify their strengths and weaknesses to help them prepare for the teaching profession.

**EDMS 50663 - Motivating and Managing Students in the Classroom**

Prerequisite: Admission to the Teacher Education Program and co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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. (Offered as EDMS, EDSE, or EDSP credit.)

**EDMS 51103 - Assessment (3)**

Prerequisites: Admission to the Teacher Education Program, EDMS 30123, EDMS 30113, EDMS 30603, EDMS 40213, and Content Area Methods course(s), and co-requisite EDMS 41151. This course provides students with a foundation for understanding the basic concepts and procedures of educational assessment and evaluation as they pertain to teaching in the middle/secondary classroom and informing instruction. Both formal and informal methods of gathering educational information and monitoring learners' progress will be integral parts of this course. Students will learn how to develop appropriate assessments; interpret assessment information for educational program planning; provide timely, high-quality feedback; respond flexibly to promote learning for all learners, including second language learners and students with disabilities; and communicate assessment information to parents and other professionals. (Offered as EDMS or EDUC credit.)

**EDMS 55313 - Assessment (3)**

Prerequisites: Admission to the Teacher Education Program, EDMS 30123, EDMS 30113, EDMS 30603, EDMS 40213, and Content Area Methods course(s), and co-requisite EDMS 41151. This course provides students with a foundation for understanding the basic concepts and procedures of educational assessment and evaluation as they pertain to teaching in the middle/secondary classroom and informing instruction. Both formal and informal methods of gathering educational information and monitoring learners' progress will be integral parts of this course. Students will learn how to develop appropriate assessments; interpret assessment information for educational program planning; provide timely, high-quality feedback; respond flexibly to promote learning for all learners, including second language learners and students with disabilities; and communicate assessment information to parents and other professionals. (Offered as EDMS or EDUC credit.)

**EDMS 55663 - Motivating and Managing Students in the Classroom**

Prerequisite: Admission to the Teacher Education Program and co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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. (Offered as EDMS, EDSE, or EDSP credit.)

## EDMT - Education - Mathematics

**EDMT 50123 - Teaching Geometry and Measurement (3)**

Prerequisites: Admission to the MEd in Mathematics Education Program. Using the guidelines set forth by the National Council of Teachers of Mathematics and the State of Texas for mathematics instruction, students will develop pedagogical content knowledge for teaching geometry and measurement. The content will be explored from an inquiry perspective to expand upon students' conceptual understanding of the mathematics. Through class investigations and discussions, readings, and assignments, students will be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations.) By gaining expertise with respect to the development of children's thinking in geometry and measurement and instructional and assessment practices that contribute to this development, students will be prepared to serve as teacher-leaders.

**EDMT 50133 - Teaching Data Analysis and Probability (3)**

Prerequisite: Admission to the MEd in Mathematics Education Program. Using the guidelines set forth by the National Council of Teachers of Mathematics and the State of Texas for mathematics instruction, students will develop pedagogical content knowledge for teaching data analysis and probability. The content will be explored from an inquiry perspective to expand upon students' conceptual understanding of the mathematics. Through class investigations and discussions, readings,

and assignments, students will be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations.) By gaining expertise with respect to the development of children's thinking in data analysis and probability and instructional and assessment practices that contribute to this development, students will be prepared to serve as teacher-leaders.

## EDRE - Education - Reading

### 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.

## EDSE - Education - Secondary

### EDSE 20990 - International Residential Study (1.00-20.00)

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 (1)

Prerequisite: Admission to the Teacher Education Program. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/No credit grades.

### EDSE 30013 - Professional Roles and Responsibilities (3)

Prerequisite: Admission to the Teacher Education Program. 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.

### EDSE 30103 - Developmental Psychology of Adolescence (3)

Prerequisites: Students must be Education pre-majors, majors or minors who are seeking All-Level, Middle School, or Secondary School teacher certification. This course provides an introduction to selected theories of physical, cognitive, emotional, social, and identity development of adolescents. Special emphasis will be given to the practical application of developmental theory to educational contexts.

### EDSE 30113 - Digital Literacy, Learning, and Citizenship in Education (3)

Prerequisite: Completion or concurrent enrollment in EDUC 20003 or permission of the instructor. An overview of using technology effectively and responsibly in educational contexts. Focuses on use of current and emerging technologies for teaching, learning, research, assessment, communication, and collaboration. Addresses the rights and responsibilities of digital citizenship, including safe, legal and ethical use of digital information, as well as digital access, literacy, etiquette, and wellness. (Offered as EDMS, EDSE, or EDUC credit.)

### EDSE 30123 - Educational Psychology (3)

Psychological bases of the education process; theories of learning and motivation; individual differences, teaching strategies. Includes observations of children and adolescents in classroom settings.

### EDSE 30603 - Study of Exceptional Students (3)

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, EDUC 30013 and co-requisite EDUC 41151; A survey of programs for school-aged students with mental, physical and emotional deviations.

### EDSE 30990 - International Residential Study (1.00-20.00)

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 (3)

Prerequisites: Admission to the Teacher Education Program 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 (3)

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, and EDUC 30013; co-requisite: EDUC 41151. A course designed to acquaint the preservice teachers with strategies which facilitate middle and secondary students' use of reading and writing to learn from informational texts. A component of this course is a field-based practicum.

### EDSE 40433 - Senior Seminar in Middle/Secondary Education: Mathematics (3)

Prerequisite: Admission to the Teacher Education Program. 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 40463 - Methods for Teaching Secondary Social Studies (3)

Prerequisites: Admission to the Teacher Education Program, EDUC 20003, EDSE 30103, and EDSE 30013; corequisite: EDSE 41151. This course will use the Texas Essential Knowledge and Skills (Teen KS) and the national Council of Teachers of Social Studies as a framework to help students examine content methodology, skills, and materials used to teach social studies to adolescents in secondary grades. Students will engage in hands-on investigation, class discussion, readings and field placements with emphasis on developmentally appropriate practices in social studies instruction. Procedures for planning, implementing, and reflecting on social studies instruction will be used in school settings.

### EDSE 40533 - Senior Seminar in Middle/Secondary Education: Science (3)

Prerequisite: Admission to the Teacher Education Program. 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 (3)

Prerequisite: Admission to the Teacher Education Program. 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 40986 - Student Teaching in the Secondary/School (6)

Prerequisite: Admission to the Teacher Education Program. 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. (This course is only offered as P/NC.)

### EDSE 41151 - Field Experience in Education (1)

Prerequisites: Admission to the Teacher Education Program, co-requisite: concurrent enrollment in an education course. Field Experience in Education is a field-based experience for education majors. Placements are in local schools. Students enroll in Field Experience in Education 2-3 times, depending on their major, during their teacher education program. (Course is only offered as P/NC)

### EDSE 50023 - Effective Teaching and Classroom Implementation (3)

Prerequisite: Admission to the Teacher Education Program; co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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, EDSE or EDUC credit.)

### **EDSE 50153 - Literature for Adolescents (3)**

Prerequisites: Admission to the Teacher Education Program. This course provides an overview of young adult literature (YAL), while also exploring issues related to the use of YAL in the middle/secondary English classroom. The course provides students with opportunities to study the critical and pedagogical theories that inform the study of adolescent literature. There is a field based teaching component in a middle or secondary English classroom.

### **EDSE 50173 - Development of Written Communication (3)**

Prerequisites: Admission to the Teacher Education Program. 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 (3)**

Prerequisites: Admission to the Teacher Education Program. 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. This class provides opportunities to prepare lessons and teach in various TESOL and bilingual classroom contexts with cooperating teachers. Students will read about best practices for biliteracy development and have a chance to put this learning to practice, all with the goal of taking the on-going feedback and self reflection/assessment to grow as a teacher. The practicum requires candidates to work with emergent bilinguals over the span of the university semester.

### **EDSE 50443 - Methods for Teaching Secondary School Mathematics I (3)**

Prerequisites: Admission to the Teacher Education Program; Corequisite: EDSE 41151 or EDUC 60980. 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 for teaching secondary mathematics. The content (number and operations, algebra) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

### **EDSE 50453 - Methods for Teaching Secondary Mathematics II (3)**

Prerequisites: Admission to the Teacher Education Program, and corequisite: EDSE 41151 or EDUC 60980. 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 for teaching secondary mathematics. The content (geometry, measurement, and data analysis and probability) will be explored from an inquiry perspective to build a conceptual understanding of the mathematics. Students will also be exposed to best practices which promote the process standards (problem solving, reasoning, and proof, communication, connections, and representations) through class investigations and discussions, readings, and field placements. The process of developing units and lessons as well as assessment techniques for evaluating students' progress and teacher practice will be integrated into the coursework.

### **EDSE 50463 - Methods for Teaching Secondary Social Studies (3)**

Prerequisites: Admission to the Teacher Education Program and corequisite: EDSE 41151 EDUC 60980. This course will use the Texas Essential Knowledge and Skills (TEKS) and the national Council of Teachers of Social Studies as a framework to help students examine content methodology, skills, and materials used to teach social studies to adolescents in secondary grades. Students will engage in hands-on investigation, class discussion, readings and field placements with emphasis on developmentally appropriate practices in social studies instruction. Procedures for planning, implementing, and reflecting on social studies instruction will be used in school settings.

### **EDSE 50553 - Methods for Teaching Secondary Science (3)**

Prerequisites: Admission to the Teacher Education Program, corequisite: EDSE 41151 or EDUC 60980. Using guidelines set forth by the National Research Council, the American Association for the Advancement of Science and the State of Texas, the students will develop pedagogical content knowledge for teaching secondary science. Students will explore various aspects of the science teacher profession such as designing lessons/labs, aligning lessons to TEKS and frameworks, assessing student work, constructing assessment tools, classroom management techniques and best practices in teaching science. Peer-teaching and peer-evaluation will be used to help students identify their strengths and weaknesses to help them prepare for the teaching professions.

### **EDSE 50663 - Motivating and Managing Students in the Classroom**

Prerequisite: Admission to the Teacher Education Program and co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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. (Offered as EDMS, EDSE, or EDSP credit.)

### **EDSE 51103 - Assessment (3)**

Prerequisites: Admission to the Teacher Education Program, EDMS 30123, EDMS 30113, EDMS 30603, EDMS 40213, and Content Area Methods course(s), and co-requisite EDMS 41151. This course provides students with a foundation for understanding the basic concepts and procedures of educational assessment and evaluation as they pertain to teaching in the middle/secondary classroom and informing instruction. Both formal and informal methods of gathering educational information and monitoring learners' progress will be integral parts of this course. Students will learn how to develop appropriate assessments; interpret assessment information for educational program planning; provide timely, high-quality feedback; respond flexibly to promote learning for all learners, including second language learners and students with disabilities; and communicate assessment information to parents and other professionals. (Offered as EDMS or EDUC credit.)

### **EDSE 55313 - Assessment**

Prerequisites: Admission to the Teacher Education Program, EDMS 30123, EDMS 30113, EDMS 30603, EDMS 40213, and Content Area Methods course(s), and co-requisite EDMS 41151. This course provides students with a foundation for understanding the basic concepts and procedures of educational assessment and evaluation as they pertain to teaching in the middle/secondary classroom and informing instruction. Both formal and informal methods of gathering educational information and monitoring learners' progress will be integral parts of this course. Students will learn how to develop appropriate assessments; interpret assessment information for educational program planning; provide timely, high-quality feedback; respond flexibly to promote learning for all learners, including second language learners and students with disabilities; and communicate assessment information to parents and other professionals. (Offered as EDMS or EDSE credit.)

### **EDSE 55663 - Motivating and Managing Students in the Classroom**

Prerequisite: Admission to the Teacher Education Program and co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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. (Offered as EDMS, EDSE, or EDSP credit.)

## **EDSP - Education - Special**

### **EDSP 20990 - International Residential Study (1.00-20.00)**

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 30143 - Learner-Centered Teaching: Special Education Field Experience (3)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in EDSP 30243. This course provides field-based experiences for Junior block coursework in the Early Childhood Education program.

**EDSP 30241 - Learner-Centered Teaching: Special Education Field Experience (1)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in EDSP 30242. This course provides field-based experiences for Junior block coursework in the Early Childhood Education program.

**EDSP 30242 - Special Education Methods and Assessment in Elementary Education (2)**

Prerequisites: Admission to the Teacher Education Program. Concurrent enrollment in EDSP 30241. 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 and planning will also be addressed.

**EDSP 30243 - Academic Success in Special Education (3)**

Prerequisite: Admission to the Teacher Education Program. Students enrolled in EC-6/Special Education Program must be concurrently enrolled in EDEC 30213, Creative Thinking and Problem Solving: Writing and EDEC 30223, Education in Elementary Curriculum: Reading. 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 (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, EDUC 30013 and co-requisite EDUC 41151; A survey of programs for school-aged students with mental, physical and emotional deviations.

**EDSP 30990 - International Residential Study (1.00-20.00)**

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 40663 - Classroom Management (3)**

Prerequisite: Admission to the Teacher Education Program. 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 (3)**

Prerequisite: Admission to the Teacher Education Program and concurrent enrollment in Senior I courses. This course covers content related to: designing effective classroom environments to support appropriate student behavior and prevent challenging behavior and designing individualized plans for students who require more intensive behavioral support.

**EDSP 42213 - Professional Induction: Curriculum for Diverse Learners: Special Education (3)**

Prerequisite: Admission to the Teacher Education Program. Concurrent enrollment in EDEC 42236 Professional Induction: Internship. Students develop curricula that meet the cultural, linguistic and developmental needs of all learners. Professional induction opportunities focus on placement file development, preparation of the interview process, and Special Education (EDSP) certification standards.

**EDSP 50013 - Literacy Methods in Special Education (3)**

Prerequisite: Admission to a graduate program in the College of Education or permission from instructor. This course addresses research-based assessment and instructional methods in the area of literacy for students at-risk for failure and students receiving special education services.

**EDSP 50273 - Technology for Diverse Learners (3)**

Prerequisites: Admission to an undergraduate or graduate education program or permission of the instructor. Examines uses of technology that can meet the differing educational needs of all students, including culturally and linguistically diverse learners and those who have disabilities. Addresses Universal Design for Learning, Culturally Responsive Teaching, assistive technology, and accessible educational materials.

**EDSP 50663 - Motivating and Managing Students in the Classroom**

Prerequisite: Admission to the Teacher Education Program and co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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.

**EDSP 55123 - 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 55663 - Motivating and Managing Students in the Classroom (3)**

Prerequisite: Admission to the Teacher Education Program and Accelerated Masters program. This course covers content related to: designing effective classroom environments to support appropriate student behavior and prevent challenging behavior and designing individualized plans for students who require more intensive behavioral support.

**EDSP 58003 - Methods for Students with Mathematics Learning Differences (3)**

Prerequisites: Admission into College of Education. This course is designed to provide students with research-based, effective methods and strategies for assessing, teaching, and monitoring the mathematical performance of students with high-incidence disabilities and/or learning difficulties. This course follows the principles and standards for school mathematics set forth by the national Council of Teachers of Mathematics. It introduces research-based principles of mathematics instruction including explicit and systematic instruction, student practice opportunities, visual representations of mathematical ideas, and instructional scaffolding. It aims to prepare special education teachers to adequately facilitate skill acquisition, maintenance, retention, and generalization of students with mathematics learning difficulties.

## EDUC - Education - General

**EDUC 10433 - Freshman Seminar in Education (3)**

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 (3)**  
Freshman Seminar in Education**EDUC 10533 - Freshman Seminar in Education (3)**

Topics may vary each time it is offered.

**EDUC 20003 - Critical Investigation: Teaching and Learning (3)**

This course will provide a careful and systematic exploration of teaching and learning within the context of the U.S. education system. Class members will critically examine a variety of factors that influence schooling processes for children at all levels, including the social foundations of education, the structure of the education system, and best practices for classroom implementation of instruction. Class members will participate in and reflect upon field experiences in local schools.

**EDUC 20023 - Mathematics for Teachers of Early Childhood through Eighth Grade (3)**

This course is designed to build the content knowledge and skills needed by Pre-Kindergarten through eighth grade teachers. The mathematics content emphasized in this course focuses on number and operations and aligns with the National Council of Teachers of Mathematics standards as well as the content mandated by the State of Texas. The course instruction models inquiry teaching by engaging students in mathematical thinking, reasoning, and sense-making.

**EDUC 20990 - International Residential Study (1.00-20.00)**

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 30001 - Professional Practice Seminar (1)**

Prerequisite: Admission to the Teacher Education Program. Issues in professional and legal responsibilities and certification standards. This course is available only for Pass/No credit grades.

**EDUC 30003 - Honors Tutorial (3)**

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 30013 - Professional Roles and Responsibilities (3)**

Prerequisite: Admission to the Teacher Education Program. 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.

**EDUC 30043 - Natural Outdoor Learning and Wellness**

Natural Outdoor Learning and Wellness is a comprehensive overview and introduction to the various approaches educators, healthcare providers, and parents can use to create connections between their classrooms, content areas, or clinical setting and the outdoors. This course will address the benefits of outdoor education to the individual, including health/wellness, the role of outdoors in human development, and lifelong learning and personal growth. We will also discuss the benefits of outdoor education, including public outdoor spaces and education initiatives, to the community and society. Finally, this course will cover the foundations of outdoor education, such as the history, philosophies, and theoretical frameworks. The aforementioned concepts will be threads throughout the following topics: School-based outdoor initiatives (e.g., garden education, outdoor programs, and natural outdoor classrooms); community-based outdoor initiatives (e.g., nature centers, state and national parks, trails, and outdoor spaces); and extended outdoor experiences (e.g., outdoor leadership training, camps, and scouting).

**EDUC 30103 - Developmental Psychology of Adolescence (3)**

Prerequisites: Students must be Education pre-majors, majors or minors who are seeking All-Level, Middle School, or Secondary School teacher certification or who are Youth Advocacy and Educational Studies majors. This course provides an introduction to selected theories of physical, cognitive, emotional, social, and identity development of adolescents. Special emphasis will be given to the practical application of developmental theory to educational and youth development settings.

**EDUC 30113 - Digital Literacy, Learning, and Citizenship in Education (3)**

Prerequisite: Completion or concurrent enrollment in EDUC 20003 or permission of the instructor. An overview of using technology effectively and responsibly in educational contexts. Focuses on use of current and emerging technologies for teaching, learning, research, assessment, communication, and collaboration. Addresses the rights and responsibilities of digital citizenship, including safe, legal and ethical use of digital information, as well as digital access, literacy, etiquette, and wellness. (Offered as EDMS, EDSE, or EDUC credit.)

**EDUC 30123 - Educational Psychology (3)**

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 30133 - Issues in Education Across Global and Societal Contexts (3)**

This course will examine current and complex educational issues through interdisciplinary and interprofessional contexts. Specifically, course content will engage students by exploring the collective impact of various policies, agencies, and disciplines that advocate for children and youth in local, regional, and global settings. Contemporary educational issues examined may vary.

**EDUC 30143 - Child and Adolescent Development (3)**

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 30213 - Policy Studies in Education and Youth Advocacy (3)**

Prerequisites: Successful completion of EDUC 30133 and upper-division standing, or instructor permission. The course is open to students from all majors. This course is designed to enable students contemplating or engaged in careers in the education sector or other sectors related to youth programming, services, and/or advocacy to explore concepts, theories, and perspectives in policy formation, making, and implementation. This course will explore various aspects of local, state, and federal policymaking as it pertains to K-20 education and related fields. Students will gain practical and theoretical understanding of the policy process from identifying political actors and stakeholders through agenda setting, policy implementation, and analysis, and will explore avenues for engagement in the policy process.

**EDUC 30223 - Positive Youth Development and Advocacy (3)**

Prerequisites: Students must be Education pre-majors, majors or minors who are working towards a degree in Youth Advocacy and Educational Studies. Students working towards related degrees (e.g., social work, All-levels certification in Music Education, Middle and Secondary education, etc.) may enroll in the course with instructor permission. The focus of this course is on positive youth development (PYD) theory and advocacy strategies. Positive youth development is a theoretical perspective and tool of practice that focuses on the strengths and assets of youth in order to support them and advocate for them on their paths to well-being and contribution in their communities. This course also includes an introduction to critical positive youth development theory and youth participatory action research (YPAR), both of which aim to lift up youth power and voice as tools to create their own thriving and support the health of their communities. This course is designed for Youth Advocacy and Educational Studies majors, especially, but will be of interest to anyone who wants to support youth on their path to thriving.

**EDUC 30333 - The University: From Scotland to Fort Worth (3)**

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 30603 - Study of Exceptional Students (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, EDUC 30013 and co-requisite EDUC 41151; A survey of programs for school-aged students with mental, physical and emotional deviations.

**EDUC 30990 - International Residential Study (1.00-20.00)**

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 (3)**

Prerequisite: Admission to the Teacher Education Program. An independent project on a major issue in education resulting in the Senior Honors Thesis.

**EDUC 40100 - ETEN International Teacher Practicum in U.S. Public Schools (3.00-6.00)**

This course is designed for international exchange students from the European Teacher Education Network (ETEN) of Colleges and Universities to provide students with opportunities to observe and interact with K-12 students in the U.S., while comparing and contrasting the similarities, strengths, and weaknesses of two different educational systems embedded in two different cultures.

**EDUC 40113 - Introduction to Educational Program Evaluation (3)**

Prerequisites: Successful completion of EDUC 30133 and upper-division standing, or instructor permission. The course is open to students from all majors. This is an introductory undergraduate-level course in program evaluation and evaluation-related research methods. Focus is given to critiquing and conducting a range of types of evaluation for education-related programs and to other programs related to the growth, development, and wellbeing of children and youth. Topics include types of evaluations, frameworks for conducting evaluations, strategies for establishing an evaluation purpose, the role and function of evaluators in writing grants and conducting grant-funded work, qualitative and quantitative inquiry designs and data-collecting methods, analysis of data, sampling techniques, communication of results, and reliability and validity.

**EDUC 40123 - Social Entrepreneurship in Education (3)**

Prerequisites: EDUC 30133, or concurrent enrollment. This lecture-based course will examine the fundamentals of social entrepreneurship as a means of addressing a variety of social challenges that impact the broader field of education. Class content will include developing solutions, marketing strategy, networking, evaluating impact, and funding. Students will also formulate and pitch entrepreneurial solutions.

**EDUC 40213 - Promoting Literacy in the Content Areas (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 20003, EDUC 30103, and EDUC 30013; co-requisite: EDUC 41151. A course designed to acquaint the preservice teachers with strategies which facilitate middle and secondary students' use of reading and writing to learn from informational texts. A component of this course is a field-based practicum.

**EDUC 40510 - Internship: Youth Advocacy and Educational Studies (1.00-20.00)**

Prerequisites: Student must have earned a C or better in at least 9 hours of YAES approved coursework. This course provides students with an opportunity to gain work experience in disciplines that interface with the field of education through internship. Credit hours can vary. For each credit hour enrolled, students must complete at least 15 clock hours in a professional environment with an organization, school, school district, or related agency that supports the field of education as approved by the COE Director of Community Partnerships or a Dean.

**EDUC 40966 - All Level Student Teaching (6)**

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.) (This course is only offered as P/NC.)

**EDUC 40970 - Directed Study in Education (1.00-6.00)**

Prerequisites: Admission to the Teacher Education Program. Study of specialized topics in Education.

**EDUC 41113 - Schools, Curriculum, and Society (3)**

Prerequisite: Students must be education minors, education pre-majors, YAES majors, or education majors who are seeking EC-6, All-Level, Middle School, or Secondary School teacher certification. This course explores the foundations of educational thought and practice through the works of influential thinkers from diverse philosophical, historical, geographical, intersectional, language, and cultural contexts. Students learn through lectures, readings, discussion, and collaborative assignments. This course meets requirement for the Citizenship and

Social Values and Writing Emphasis, and Women and Gender Studies designations.

**EDUC 50003 - Diversity in American Education (3)**

Prerequisite: Admission to 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 50023 - Effective Teaching and Classroom Implementation (3)**

Prerequisite: Admission to the Teacher Education Program; co-requisite: EDMS 41151, EDSE 41151, or EDUC 60980. 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, EDSE or EDUC credit.)

**EDUC 50043 - Seminar in Children's Literature (3)**

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 (3)**

Prerequisites: Admission to the Teacher Education Program. 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 50113 - Ecology of School Success: Practicum 1 (3)**

The purpose of this course is to train university students to implement learning science principles and form developmental relationships in order to strengthen academic competencies and to increase opportunity for school success among K-12 students in educational settings. University students will facilitate ongoing small tutoring groups for K-12 students. Students in the course will also examine challenges faced in educational settings and the impact that student success has on economic, ecological and social structures in society.

**EDUC 50143 - Theories of Human Development (3)**

Prerequisites: Admission to College of Education or written permission of the Dean, College of Education. Selected theories of human behavioral, social, and emotional development.

**EDUC 50153 - Literature for Adolescents (3)**

This course provides an overview of young adult literature (YAL), while also exploring issues related to the use of YAL in the middle/secondary English classroom. The course provides students with opportunities to study the critical and pedagogical theories that inform the study of adolescent literature.

**EDUC 50203 - Programs in Bilingual Education (3)**

Prerequisites: Admission to the Teacher Education. The rationale for bilingual-bicultural education including a survey of current programs. Includes lab experiences in public school classes.

**EDUC 50213 - Seminar in Bilingual Education (3)**

Prerequisites: Admission to the Teacher Education Program. 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 50223 - Practicum in Reading and TESOL (3)**

Prerequisite: Admission to the Teacher Education Program. This class provides opportunities to prepare lessons and teach in various TESOL and bilingual classroom contexts with cooperating teachers. Students will read about best practices for biliteracy development and have a chance to put this learning to practice, all with the goal of taking the ongoing feedback and self reflection/assessment to grow as a teacher. The practicum requires candidates to work with emergent bilinguals over the span of the university semester.

**EDUC 50253 - Applied Teaching, Learning and Technology (3)**

Prerequisites: Admission to the Teacher Education Program or written permission of the Dean, College of Education. An examination of using educational technology for teaching, learning and professional

productivity. Focuses on use of current and emerging technologies for teaching, assessment, research, communication, and collaboration in educational settings. Addresses topics such as finding and evaluating technology resources, designing print and multimedia products, collecting and analyzing data using technology, planning for technology-integrated instruction, and understanding issues and ethical practices related to technology use. Students will design a technology-integrated unit plan and develop a technology-enhanced instructional application for an educational setting. Includes a field component TBA.

### **EDUC 50263 - Digital Communication and Collaboration in Education (3)**

Prerequisites: EDMS/SE/UC 30113, Digital Literacy, Learning, and Citizenship in Education and admission to the Graduate Education Program or instructor permission. Educational applications of digital tools to support 21st century skills such as communication, collaboration, critical thinking, and creativity. Students will develop skills in locating organizing, analyzing, evaluating, designing and communicating digital information. Students will also learn fundamentals of data management and web development. In addition, they will consider ethical and societal issues related to digital communication and collaboration in education.

### **EDUC 50273 - Technology for Diverse Learners (3)**

Prerequisites: Admission to an undergraduate or graduate education program or permission of the instructor. Examines uses of technology that can meet the differing educational needs of all students, including culturally and linguistically diverse learners and those who have disabilities. Addresses Universal Design for Learning, Culturally Responsive Teaching, assistive technology, and accessible educational materials.

### **EDUC 50323 - Positive Youth Development and Advocacy (3)**

Prerequisites: Students must be Education pre-majors, majors or minors who are working towards a degree in Youth Advocacy and Educational Studies or graduate students in the College of Education. Students working towards related degrees (e.g., social work, child development, All-levels certification in Music Education, Middle and Secondary education, etc.) may enroll in the course with instructor permission. The focus of this course is on positive youth development (PYD) theory and advocacy strategies. Positive youth development is a theoretical perspective and tool of practice that focuses on the strengths and assets of youth in order to support them and advocate for them on their paths to well-being and contribution in their communities. Students in the course will also be introduced to critical positive youth development theory and youth participatory action research (YPAR), both of which aim to lift up youth power and voice as tools to create their own thriving and support the health of their communities. Students will engage in field work as a component of this seminar course. This course is designed for Youth Advocacy and Educational Studies majors and College of Education graduate students, especially, but will be of interest to anyone who wants to support youth on their path to thriving.

### **EDUC 50503 - Foundations of Language Acquisition (3)**

Prerequisites: Concurrent enrollment in EDUC 50223 and TESOL, or permission of the instructor. Course includes overview of language concepts, language learning research and theories, socio-cultural context for language development and program types. An overview of historic and current trends, policies and social issues affecting the education of linguistic minorities and assessment procedures appropriate to second-language learners are introduced.

### **EDUC 50513 - TESOL Methods and Assessment (3)**

Prerequisites: Admission to the Teacher Education Program. 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 (3)**

Prerequisites: Admission to the Teacher Education Program. Materials and methods for developing reading skills of the secondary school student in the various curriculum areas.

### **EDUC 50663 - Motivating and Managing Students in the Classroom (3)**

Prerequisite: Admission to the Teacher Education Program, EDUC 30123, EDUC 30113, EDUC 30603, EDUC 40213, and Content Area

Methods course(s), and co-requisite: EDMS 41151 or EDSE 41151. Research-based methods for creating positive classroom and school climates, organizing and managing classrooms, improving instruction, dealing with classroom discipline problems, and developing prosocial behaviors in children and youth.

### **EDUC 50870 - Directed Study in Education (1.00-6.00)**

Prerequisites: Admission to the Teacher Education Program. Study of specialized topics in Education.

### **EDUC 50970 - Special Problems in Education (1.00-20.00)**

Study of specialized topics in Education.

### **EDUC 50990 - International Experiences in Education (1.00-6.00)**

Prerequisites: Meet admission requirements set forth by TCU Study Abroad. Permission of adviser and professor of record. The objective of the course is to gain first-hand knowledge of varying approaches to education. This course provides the opportunity to learn about unique educational practices in an international setting. Students will have opportunities to learn about, observe, and/or participate in educational facilities which focus on early childhood, middle childhood, and/or adolescence. This course may be taken for up to six hours credit.

### **EDUC 55003 - Diversity in American Education (3)**

Prerequisites: Admission to the College of Education as an Accelerated Masters student. 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 55113 - Schools, Curriculum, and Society (3)**

Prerequisites: Admission to the College of Education as an Accelerated Masters student. This course explores the foundations of educational thought and practice through the works of influential thinkers from diverse philosophical, historical, geographical, intersectional, language, and cultural contexts. Students learn through lectures, readings, discussion and collaborative assignments. This course meets requirement for the Citizenship and Social Values and Writing Emphasis, and Women and Gender Studies designations.

### **EDUC 55133 - Reading Instruction Grades 3-6 (3)**

Prerequisites: Admission to the Teacher Education Program, an Accelerated Masters program, and concurrent enrollment in Senior I courses. In this 3-credit hour course, emphasis is given to the guidance of students as they progress through the continuum of literacy abilities in phonics, decoding, vocabulary and comprehension in grades 3-6. Introduces recent research, philosophies of instruction, curriculum development, literature, and assessments that can be used to improve students' reading and abilities.

### **EDUC 55293 - Curriculum Workshop (3)**

Prerequisite: At least one year's teaching experience, approval of instructor, and Admission to Graduate Education. Provides for development of curriculum materials and strategies for specific subject areas; application of curriculum theory to school and classroom situations.

### **EDUC 55313 - Educational Assessment (3)**

Prerequisite: Admission to the Teacher Education Program and an Accelerated Masters program. 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 assessment 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.

### **EDUC 55510 - Advanced Internship: Youth Advocacy and Educational Studies (1.00-20.00)**

Prerequisites: Student must have earned a C or better in at least 9 hours of YAES approved coursework. Internship must be completed during the senior year of undergraduate studies. Accelerated masters students can bridge up to 6 credit hours of this course. This course provides students with an opportunity to gain work experience in disciplines that interface with the field of education through internship. Credit hours can vary. For each credit hour enrolled, students must complete at least 15 clock hours in a professional environment with an organization, school, school district, or related agency that supports the field of

education as approved by the COE Director of Community Partnerships or a Dean.

**EDUC 55970 - Special Topics in Education (1.00-6.00)**

Special Topics in Education: (1-6 credit hours) This course may be repeated for credit. Departmental approval required.

**EDUC 55980 - Advanced Clinical Teaching (1.00-6.00)**

Supervised experience which emphasizes the application of theories of curriculum and instruction in a field-based setting. Options include the introduction of innovative teaching practices into a school or other educational setting or research focused on instructional practices. Graduate students in Education who possess a bachelor's degree with a non-education major and who have completed the specified course work may choose to apply the internship for certification purposes with the approval of the department. (1-6 semester hours with no more than 6 semester hours applied to the Master's degree)

## ENFL - English as a Foreign Language

**ENFL 10003 - Reading/Study Skills (3)**

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 (3)**

A course designed for students whose 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 (3)**

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.

## ENGL - English

**ENGL 10103 - Introduction to Fiction (3)**

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 (3)**

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 (3)**

Reading and analysis of the various dramatic genres.

**ENGL 10133 - Introduction to Literature (3)**

Reading and analysis of a variety of genres 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, literary analysis as a research method, and the cultural circumstances of composition. Subtopics will often vary by section. This course cannot be repeated for additional credit.

**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 (3)**

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 10503 - Introduction to Nonfiction Genres (3)**

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 (3)**

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.

**ENGL 10803 - Introductory Composition: Writing as Inquiry (3)**

Course satisfies Written Communication 1 (WCO) requirement in the TCU Core Curriculum. 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. Note: themed sections on a range of topics may be offered and will be designated with a descriptive course title.

**ENGL 20103 - Reading as a Writer**

Introduces concepts of close reading and the creative writing workshop. Engages questions of the role of reading in culture, its impact on understanding complex issues, and the connection of reading to composing.

**ENGL 20123 - Travel Writing**

Introduces concepts of close reading and the creative writing workshop. Engages the craft of travel writing within and across cultures as a way to deepen awareness of what it means to be a global citizen, while fostering a more nuanced view of the individual in the world.

**ENGL 20133 - Performing Identity**

In this writing course, students will read and analyze plays, experimental collaborative performances, and poetry, specifically focusing on the construction of identity through the written word and performance. Students will also get experience writing their own plays and poetry, as well as receive constructive critiques on their own written work.

**ENGL 20203 - Girls' Studies (3)**

Girls' Studies examines the experiences and representation of girls in the U.S. and global cultures through various feminist theoretical lenses and considers girlhood as a gender category worthy of academic analysis. Using academic and popular texts - including those produced in literature, online, and via television, film, and music - this course studies the category of girlhood in relation to dominant cultural practices and larger social, institutional, and political transformations.

**ENGL 20213 - Global Women's Literature (3)**

This course examines literature by women outside the United States and Europe, using a variety of recent theories about gender, nationalism, and historiography. Students will consider the fundamental place of gender in shaping a cultural narrative, and we will concentrate on the ways in which gender and sexuality are configured in the literature of women in various national, cultural, social, and political contexts. Themes considered may include sexuality, memory, race, decolonization, migration, nationalism, history, and diaspora.

**ENGL 20223 - Gender, Culture and Representation (3)**

This course will explore how gender is portrayed in cultural texts across a range of genres and introduce students to theories of representation. Students will examine how gender difference is represented in literature, art or film; the cultural implications of those representations; and how texts may perpetuate, challenge, and/or subvert gendered stereotypes. Texts might include novels, short stories, plays, film, television shows, web texts and social media, visual art, graphic novels, and essays.

**ENGL 20233 - Sex and Gender in Literature (3)**

An introductory course on interpreting gender, sex and sexuality in literature using a variety of methodologies. Readings will vary by semester, but will always represent a spectrum of human sexual experience from diverse cultures, and draw on a variety of genres, such as poetry, drama, fiction, biography, film and essay.

**ENGL 20403 - British Writers (3)**

Studies of texts by British writers from the beginnings of English literature to the present. Texts vary by semester.

**ENGL 20423 - Introduction to Medieval Literature (3)**

An introduction to many different genres of medieval literature including poetry, prose, epic, saga, romance, myth, frame tale, and drama from various medieval cultures around the world. Students will become familiar with interpretive strategies and will examine the course texts in relation to the cultural and historical circumstances of composition.

**ENGL 20433 - Introduction to Shakespeare (3)**

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 - American Writers (3)**

Studies of texts by American writers from the beginnings of American literature to the present. Texts vary by semester.

**ENGL 20523 - Sports and American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803. ENGL 20803 may be taken concurrently with ENGL 20523. An examination of the question of how and why American authors employ sports-centered materials in their work.

**ENGL 20533 - The American Dream (3)**

The American success dream as depicted and evaluated by major writers from Colonial times to the present.

**ENGL 20543 - The American Short Story (3)**

A survey of the American short story from its origins to the present.

**ENGL 20553 - Introduction to American Studies (3)**

An introduction to the interdisciplinary field of American studies, which brings together work from across the humanities and social sciences to study the histories, ideas, and collectively told stories that constitute the nation and shape its culture. Engages key concepts in the field, including the construction of difference and identity, racism and antiracism, war and empire, cultural memory, and globalization.

**ENGL 20563 - Introduction to Latina/o Literature (3)**

An introduction to writings of diverse genres and historical periods by Hispanic and/or Latina/o writers from what is now the U.S.A. Latina/o literature will serve as the primary readings for students to engage and examine key concepts of literary criticism and cultural history.

**ENGL 20573 - Introduction to Native American Literatures (3)**

An introduction to the diverse literatures of Native America. The course may focus on a specific historical period or may cover a more extensive time span.

**ENGL 20583 - The Western (3)**

The American West and the Western hero in fiction, from James Fenimore Cooper to selected contemporary authors.

**ENGL 20593 - Introduction to Literatures of the Global African Diaspora (3)**

This course will introduce literary and cultural production (prose, poetry, nonfiction, drama and film) of the global African Diaspora with attention to themes of identity, language, exile, and legacies of colonialism and imperialism. Students will examine this literature from aesthetic, historical, and social contexts.

**ENGL 20603 - Western World Literature I (3)**

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, and monsters) or genre (e.g., tragedy, epic, romance, and lyric). Students may take both courses or either course.

**ENGL 20613 - Western World Literature II (3)**

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 - Introduction to Women's Writing (3)**

This course examines women writers who create forms of expression as well as contribute to literature and/or rhetoric. The course may focus on a specific historical period or may cover a more extensive time span.

**ENGL 20633 - Mythology (3)**

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 (3)**

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.

**ENGL 20653 - The Romantic Imagination (3)**

A study of the means by which the spirit of romanticism is embodied in literature since the late 18th century.

**ENGL 20663 - Why Read Literature? (3)**

Why do people read literature, and in what ways might it matter? This course explores the personal, civic, and cultural significance of reading literature through assigned readings and a service learning component. Students will thus explore literary works and theories about literature's significance in multiple contexts: in individual reading and reflection, in group discussions in the classroom, and in dialogue with community residents in the civic context of Fort Worth.

**ENGL 20683 - Young Adult Literature in American Culture (3)**

Examines individual texts, authors, and recurring themes in Young Adult literature. Students will analyze the genre's place in American culture by surveying its history, exploring the influence of major writers' diverse ethnic, class, and gendered backgrounds, and examining its interactions with other popular forms such as graphic and film texts. Students will also examine the interactive relationship between YA texts and social issues, particularly those related to diversity, equity, and inclusion.

**ENGL 20703 - Intro to Law and Literature (3)**

Course examines interactions between literature and the law, with attention to the way in which literary texts enter debates over morality, justice, and the strengths and weaknesses of legal systems. Texts from a variety of periods and national origins.

**ENGL 20713 - Literature and Medicine (3)**

This course examines literary works in a variety of genres that treat topics related to health care and medicine. Students will consider ways in which narrative shapes cultural understandings of health, sickness, and the body as well as ways in which literary writers have used health and sickness as metaphors to explore the human condition. Themes may include caregiving, doctor/patient relationships, chronic illness, reproduction, mental illness, infection and contagion, and disability.

**ENGL 20723 - Introduction to Disability Studies (3)**

This course introduces students to disability studies, a discipline at the intersection of humanities and social sciences that focuses on the lived experiences of disabled people and on the societal structures and systems of privilege and oppression that construct those experiences. Students will read theory, social science, and literary texts on cultural conceptions of disability, and assignments will ask students to analyze representations of disability and disability access in assigned texts and in their communities.

**ENGL 20733 - Science Fiction (3)**

Historical development of science fiction as a literary genre with particular attention given to significant authors and themes.

**ENGL 20743 - Crime Fiction (3)**

Crime, detective and suspense fiction in its social and historical context, illustrated by selected major works and authors.

**ENGL 20803 - Intermediate Composition: Writing Argument (3)**

Course satisfies Written Communication 2 (WCO) requirement in the TCU Core Curriculum. Prerequisite: ENGL 10803 or equivalent and sophomore standing (24 hours). 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. Note: themed sections on a range of topics may be offered and will be designated with a descriptive course title.

**ENGL 20813 - Introduction to the Digital Humanities (3)**

This class provides an overview of the different types of digital methodologies available to the humanities student and scholar and introduces students to how humanities questions may be addressed using digital methods. Though there are many ways to approach the digital humanities, this class will focus on three specific areas of digital scholarship: archives and editions, text analysis, and digital map making. No previous experience in technology or programming is required.

**ENGL 20913 - Literature and Civilizations I (3)**

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 (3)**

Along with ENGL 20913, this course explores the role of literary, rhetorical and dramatic expression in the development of cultural ideas, institutions and values. This course focuses on responses to inherited cultural developments registered within various literary and rhetorical texts from around the world.

**ENGL 20933 - Non-Western World Literature (3)**

Examines a broad survey of non-Western literature, including work from Asia, Africa, the Middle East, and Latin America. This course approaches the literature from a variety of cultural perspectives such as dissent and conformity, urbanity and rural life, religion and secular identity, and sex and gender. Students will gain an understanding of non-Western authors and the cultures they represent, as well as investigate the ways literature contributes to global conversations about identity and creativity.

**ENGL 20990 - International Residential Study (1.00-20.00)**

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 30653 - Jane Austen: Novels and Films**

Prerequisites: ENGL 10803, ENGL 20803, and a least one 10000 or 20000-level ENGL/WRIT 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 30003 - Honors Thesis Seminar I (3)**

Independent projects in literature, writing, and creative writing.

**ENGL 30013 - Distinction Program: Thesis I (3)**

Course meets to support students' independent distinction projects in literature and writing.

**ENGL 30103 - Introduction to Literary Theory (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An introductory investigation into the peculiar aesthetic problems involved in reading and interpreting literary language. Particular attention is given to the tensions among 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. Students cannot receive credit for ENGL 55133 and ENGL 30103.

**ENGL 30113 - British Literature to 1800 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for ENGL 55113 and 30113.

**ENGL 30123 - British Literature since 1800 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Two period surveys, the first of medieval and early modern literature, and the second of nineteenth-through twentieth-first 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. Student cannot receive credit for ENGL 55273 and ENGL 30123.

**ENGL 30133 - American Literature to 1865 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The first of two period surveys in American Literature, this one spanning from the Colonial times through the Civil War. This course considers literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. Students may take both courses or either course. Student cannot receive credit for ENGL 55423 and ENGL 30133.

**ENGL 30143 - American Literature since 1865 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The second of two period surveys in American Literature, this one spanning from after the Civil War to the present. This course considers literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. The English Department recommends that ENGL 30133 and 30143 be taken consecutively. Student cannot receive credit for ENGL 55813 and ENGL 30143.

**ENGL 30153 - Nature Writing in Nature**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000- level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55743 and ENGL 30163.

**ENGL 30173 - Marxist Cultural Theory (3)**

Prerequisites: ENGL 10803, ENGL 20803, and one 10000-20000 level ENGL/WRIT/CRWT class. This course provides an introduction to the early tradition of Marxist Cultural Theory. Students will analyze and evaluate theoretical arguments and apply them to literary and visual texts.

**ENGL 30183 - Prison Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. Study of literary works pertaining to the experience, concept, theory, politics, culture, history, and/or imaginary of prison and/or penal systems. Themes of analysis may include politics, power, race, ethnicity, class, gender, and/or violence. Topics and reading vary by semester.

**ENGL 30193 - Queer Theories (3)**

Prerequisites: WGST 20003. This course will serve as an introduction to the diverse theories, political movements, histories, identities, and arts that could be called queer. In this class, students will utilize queer theories to better understand and respond to the complex systems of marginalization, violence, and privilege that organize our social worlds today and to better understand our own positionality within those systems.

**ENGL 30233 - Creative Nonfiction Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A creative nonfiction writing class for students with some experience in creative writing. In this course, students will get experience writing memoir,



personal essays, autobiography, oral history, and in other nonfiction genres.

### **ENGL 30343 - Fiction Writing Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A fiction writing class for students with some experience in creative writing.

### **ENGL 30353 - Poetry Writing Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A poetry writing class for students with some experience in creative writing.

### **ENGL 30363 - Digital Creative Writing**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. Explores the composition of creative work using digital technologies - collage, graphic narratives, multimedia poetry/fiction, and creative short animations. Course emphasizes concepts in creative writing, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating typography, image, and other modes.

### **ENGL 30373 - Drama Writing Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting.

### **ENGL 30413 - Studies in Medieval Literature and Culture (3)**

Prerequisite: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Concentrated study of Medieval literature and culture, 500-1500. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different subheadings. Student cannot receive credit for ENGL 55413 and ENGL 30413.

### **ENGL 30423 - Early British Drama (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55383 and ENGL 30453.

### **ENGL 30463 - British Literature: The Bloomsbury Group (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55283 and ENGL 30463.

### **ENGL 30473 - Wilde Years: Oscar Wilde and the 1890s (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55433 and ENGL 30473.

### **ENGL 30493 - Women Poets and Poetic Tradition (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Survey emphasizing major poets from Colonial times to the present, including some poetic theory and criticism.

### **ENGL 30523 - Popular Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of American literature's place in popular culture and of the intersections among popular forms and the literary. The course may focus on different periods (e.g., historical or contemporary), different genres (e.g., mass market forms such as mysteries, romance, and biographies), different authors, and/or different reading practices (e.g., book clubs, etc.).

### **ENGL 30533 - Modern American-Jewish Literature**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A survey of the contributions of major American-Jewish authors to modern American literature. Prospective students need no special knowledge, since this is a course in American literature and not in Judaism.

### **ENGL 30543 - Black Women's Writing (3)**

Prerequisites: ENGL 10803, 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. This course will survey the work of Black women writers and the development of a Black feminist discourse across time and throughout the world. Students will use the lens of Black feminism to read these works as well as consider how the works themselves are theorizing Black feminism. This course covers multiple genres of Black women's writing, including novels, life-writing, drama and performance, and poetry, from the 19th through the 21st centuries.

### **ENGL 30553 - 19th Century American Novel (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 - African American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. An analysis of the fiction, poetry, drama and/or essays written by African Americans, with texts potentially drawn from the slave era through post-civil rights,

exploring chronologically the historical, social, cultural and racial contexts which shape the literature. Student cannot receive credit for ENGL 55443 and ENGL 30573.

### **ENGL 30583 - Early American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55823 and ENGL 30593.

### **ENGL 30613 - Women's Lives: Memoir and Fiction (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of one or more female authors writing in the medieval or early modern periods in Britain, with attention to the development of beliefs about women's roles and characters and the ways these beliefs were accepted, challenged, or discredited. Genres, authors, and approaches may vary by section. Student cannot receive credit for ENGL 55323 and ENGL 30633.

### **ENGL 30653 - Jane Austen: Novels and Films (3)**

Prerequisites: ENGL 10803, ENGL 20803, and a least one 10000 or 20000-level ENGL/WRIT/CRWT 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 30673 - King Arthur in Literature and Legend (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55453 and ENGL 30673.

### **ENGL 30683 - Post-Colonial Anglophone Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 - U.S. Multi-Ethnic Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An analysis of the fiction, poetry, drama and essays by major ethnic writers from the United States. From a comparative angle, this course will explore the historical, social, cultural and racial contexts that shape the literature. Several critical approaches will be taken to show interrelationships among writers.

### **ENGL 30703 - Contemporary Latinx Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Study of literary works in English on various genres by U.S. authors of Puerto Rican, Mexican, Nicaraguan, Cuban, Dominican, and/or Chicano/a backgrounds. Historical emphasis will be limited to the twentieth and twenty-first centuries. Topics of analysis include race, gender, class, nationality, migration, immigration, and urban studies. Student cannot receive credit for ENGL 55723 and ENGL 30703.

### **ENGL 30713 - Mexican American Culture (3)**

The course examines expressive culture that reflects and shapes the way people think, behave, and give their lives meaning. The expressive culture includes history, literature, and lore considered as resources 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. Student cannot receive credit for ENGL 55713 and ENGL 30713.

### **ENGL 30723 - Short Story (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one other 10000- or 20000-level ENGL/WRIT/CRWT course. A survey of the development of the short story through the 19th and 20th centuries.

### **ENGL 30733 - Satire (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. This course examines themes of sexual identity in literature by authors from antiquity to the present.

### **ENGL 30773 - India: Texts and Traditions (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An analysis of the fiction, poetry, drama and essays of major ethnic writers and new literatures in English from Britain, the Commonwealth, or 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 30803 - Theories of Cinema (3)**

Prerequisites: ENGL 10803 and ENGL 20803. A study of theories of cinema as text in the humanities, including areas such as analytic approaches to film, rhetorical approaches to film, and/or film criticism. Course includes an integrated lab for viewing required films.

**ENGL 30813 - Books and the History of Print Culture**

Prerequisites: ENGL 10803 or 10833, and ENGL 20803 or 20833. This course examines the history of the book from the perspectives of producers and consumers. It includes the social and cultural significance of print culture, analyzing print technology as a mass media capable of shaping human attitudes. As readers move from the printed page to the computer screen, all areas of traditional print culture are changing as well, including the most basic concepts of what it means to be a writer, reader, and publisher. This course may include a lab component.

**ENGL 30823 - Law and Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one other 10000- or 20000-level ENGL/WRIT/CRWT course. This course will explore the parallel interests and debates of literary and legal discourse. Subtopics and time period may vary by semester. Student cannot receive credit for ENGL 55753 and ENGL 30823.

**ENGL 30833 - Serials, Franchises, and Fan Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. This course critically examines consumer-driven participatory culture through multiple media, including magazine and newspaper serial publication, film franchises, television series, parodies, pastiches and interactive fan cultures. Case studies vary by semester.

**ENGL 30843 - Australian Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. This course examines a wide variety of Australian literature written between European colonization in 1788 and the present. Student cannot receive credit for ENGL 55833 and ENGL 30843.

**ENGL 30853 - Asian American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An introduction to Asian American literary culture and the many histories, geographies, and experiences that shape it. Explores how Chinese, Japanese, Filipino, Korean, Hawaiian, South Asian, and Southeast Asian American literatures have reflected and given form to the panethnic identity Asian American.

**ENGL 30863 - Literature of the Middle East and North Africa (3)**

Prerequisites: ENGL 10803 and ENGL 20803 and at least one ENGL/WRIT/CRWT class. This class examines literature from across the Middle East and North Africa, addressing a wide range of topics such as dissent and conformity, religious and secular identity, sex and gender, conflict and reconciliation, etc. Discussions will be grounded in critical race theory cultural, constructivist approaches to literature. Student cannot receive credit for ENGL 55773 and ENGL 30863.

**ENGL 30873 - Digital Approaches to Textual Problems (3)**

Students will explore the methods and theories that underlie big data in the humanities. Students will examine how we can better ask and answer research questions in rhetoric, culture, and literature through the use of digital tools such as R and/or Python. Students will work independently and collaboratively to perform humanities research using these tools. Through a series of close reading, distant reading, writing, and programming assignments, students will also examine issues of race, class, gender, and sexuality. Students will learn to think critically about the uses and limitations of digital methods and theories. Student cannot receive credit for ENGL 55493 and ENGL 30873.

**ENGL 30883 - Transnational Arabs: the Middle East and North Africa in Diaspora (3)**

Prerequisites: ENGL 10803, 20803 and at least one ENGL/ WRIT/CRWT class. This course examines the political and social histories of Middle Eastern and North African diasporic communities, paying close attention to how they address creativity and concerns about cultural preservation and assimilation. Class discussion will be grounded in critical race theory constructivist approaches to literature and culture. Student cannot receive credit for ENGL 55463 and ENGL 30883.

**ENGL 30970 - Directed Studies in English (1.00-6.00)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Directed Study in English.

**ENGL 30990 - International Residential Study (1.00-20.00)**

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 31990 - International Residential Study (1.00-20.00)**

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 32290 - International Residential Study (1.00-20.00)**

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 34990 - International Residential Study (1.00-20.00)**

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 35590 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

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 38013 - Research Seminar in British Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 British literature and writing.

**ENGL 38023 - Research Seminar in American Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 American literature and writing. This course is not repeatable for credit. Student cannot receive credit for ENGL 55473 and ENGL 38023.

**ENGL 38033 - Research Seminar in Global Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 global and diasporic literatures and writing. This course is not repeatable for credit. Student cannot receive credit for ENGL 55843 and ENGL 38033.

**ENGL 39990 - International Residential Study (1.00-20.00)**

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 - Honors Thesis Seminar II (3)**

Independent projects in literature, writing, and creative writing, resulting in Senior Honors Thesis.

**ENGL 40013 - Distinction Program: Thesis II (3)**

Independent study to complete a distinction project in literature or writing.

**ENGL 40123 - Literary Criticism (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55123 and ENGL 40123.

**ENGL 40133 - Creative Nonfiction Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A creative nonfiction writing class for students with some experience in creative writing, this a craft/workshop course intended for advanced writers who have a committed interest in creative non-fiction (such as personal essay, literary journalism, travel writing, science writing, memoir, and other non-fiction genres) and are comfortable writing longer works of prose. As a workshop, students will work cooperatively to share and improve each others' work during the semester. Student cannot receive credit for ENGL 55133 and ENGL 40133.

**ENGL 40203 - Fiction Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced fiction-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT 30343 (Fiction Writing Workshop I).

**ENGL 40213 - Poetry Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced poetry-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT 30353 (Poetry Writing Workshop I).

**ENGL 40223 - Drama Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Prior to enrollment, students are strongly encouraged to take another 30000-level course in creative writing.

**ENGL 40323 - History of the Language (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The study of the origins and development of Modern English. Student cannot receive credit for ENGL 55143 and ENGL 40323.

**ENGL 40403 - Chaucer (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. 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, and the morality of reading and the function of poetry. Some prior experience with early literature is expected. Student cannot receive credit for ENGL 55103 and ENGL 40403.

**ENGL 40413 - Renaissance in England (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The prose writers, dramatists, and poets of sixteenth- and seventeenth-century England in relation to the cultural circumstances influencing and being influenced by their works. Topics may include the prospect and enactment of censorship; the centrality of the patronage system; courts and courtiers; changing views of monarchy and obedience; religious controversy; issues of gender, ethnicity, and class; literature and science; pseudo-nonfictional

strategies; adaptations of the bible, history, and mythology; and early book production and circulation.

**ENGL 40423 - Restoration and 18th Century Literature, 1660-1790 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 British Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An intensive study of literature published between 1790 and 1900. Topics may vary.

**ENGL 40443 - British Literature Since 1900 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An intensive study of British literature from 1900 to the present.

**ENGL 40453 - British Novel to 1832 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. A survey of the novel through the early 19th century.

**ENGL 40463 - British Novel since 1832 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. A survey of the novel from the mid-19th century to the present.

**ENGL 40473 - Milton and his Contemporaries (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55163 and ENGL 40473.

**ENGL 40483 - Shakespeare and Marlowe (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55173 and ENGL 40483.

**ENGL 40493 - Shakespeare (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55333 and ENGL 40493.

**ENGL 40513 - U.S. Women's Writing I (3)**

A study of American women's writings from the colonial period through 1865, 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 40523 - Emerson and Thoreau**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Works of two 19th century American literary masters, read in their social and historical context.

**ENGL 40533 - Toni Morrison (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An intensive study of the works of Toni Morrison. Attention will also be given to the cultural contexts (historical and contemporary) that structure the worlds of Morrison's fiction and influence the reception of her work. Student cannot receive credit for ENGL 55563 and ENGL 40533.

**ENGL 40543 - Studies in Early American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and one 20000-level ENGL/WRIT/CRWT course. 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. Student cannot receive credit for ENGL 55503 and ENGL 40553.

**ENGL 40553 - Studies in Nineteenth-Century American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and one 20000-level ENGL/WRIT/CRWT course. 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 II (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of U.S. women's writings from 1865 to the present, 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. This course may be taken more than once for credit under different subheadings.

**ENGL 40573 - Mark Twain**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The seminar will focus on the life and works of Mark Twain. Readings will include several of his major novels, a broad sampling of his 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Intensive study of contemporary American poets, poetic movements and relevant issues in aesthetics.

**ENGL 40593 - Faulkner**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 40613 - King Arthur in Modern Literature and Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Surveys transatlantic responses to Arthurian legend in literature, art, and culture from 1800 to the present, with attention to Tennyson, Twain, T.H. White, and Marion Zimmer Bradley, among others. Student cannot receive credit for ENGL 55453 and ENGL 30673.

**ENGL 40633 - Love, Sex, and Power in Renaissance England (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. An advanced course on the subject of romantic love, gender relations, and sexuality in literature of the English Renaissance. This course examines the political, cultural, and aesthetic contexts of love and sex that shaped representations of desire in some of the Renaissance's most enduring works, including drama and poetry by Shakespeare and others. Student cannot receive credit for ENGL 55633 and ENGL 40633.

**ENGL 40643 - British Romanticism (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 - Transnational American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Exploration of American literature from a transnational perspective. Topics vary by semester. May be taken only once for credit. Student cannot receive credit for ENGL 55363 and ENGL 40663.

**ENGL 40673 - Modern Drama (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Concentrated study of American literature, 1900 to the present. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different sub-headings. Student cannot receive credit for ENGL 55373 and ENGL 40683.

**ENGL 40693 - British and Irish Poetry Since 1900 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An intensive study of contemporary British and/or Irish poets and poetic movements.

**ENGL 40723 - Young Adult Literature in American Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Examines individual texts, authors, and recurring themes to explore Young Adult (YA) literature's place within American culture. Students will analyze its position in literary history; its major writers from diverse ethnic, class, and gendered backgrounds; and the impact YA texts have on social issues, particularly those related to diversity and inclusiveness. Students will also evaluate the material contexts of YA publication and of reading practices in diverse contexts.

**ENGL 40733 - Children's Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of the history and criticism of children's literature, with an emphasis on Anglophone works from the last 200 years. Student cannot receive credit for ENGL 55733 and ENGL 40733.

**ENGL 40743 - The Long Novel (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (1)**

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 50133 - Seminar in Literature and History (3)**

Prerequisites: Junior standing with a minimum of 9 hours in literature, history, and/or political science, or graduate standing in English or History. Interdisciplinary study of society, culture, or politics through the literature and history of a given era (variable topic). Open to graduate students and to advanced undergraduate students. Students will receive instruction from both an English professor and a History professor in content (literary works, historical studies, primary documents in periodicals or archives) and discipline-specific research methods.

**ENGL 50233 - Studies in Creative Writing (3)**

Prerequisites: CRWT 10203, CRWT 20103, or CRWT 20133. Prior to enrollment, students are also strongly encouraged to take an upper-division creative writing course. Studies in Creative Writing 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. Student cannot receive credit for CRWT 55143 and ENGL 50233.

**ENGL 50243 - Teaching Writing (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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 (3)**

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. Student cannot receive credit for WRIT 55273 and ENGL 50253.

**ENGL 50973 - Directed Study in English (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Directed Study in English. Student cannot receive credit for ENGL 55973 and ENGL 50973.

**ENGL 55113 - British Literature to 1800 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55113 and 30113.

**ENGL 55123 - Literary Criticism (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55123 and ENGL 40123.

**ENGL 55133 - Introduction to Literary Theory (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An introductory investigation into the peculiar aesthetic problems involved in reading and interpreting literary language. Particular attention is given to the tensions among 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. Students cannot receive credit for ENGL 55133 and ENGL 30103.

**ENGL 55143 - History of the Language (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The study of the origins and development of Modern English. Student cannot receive credit for ENGL 55143 and ENGL 40323.

**ENGL 55153 - Prose and Poetry of the English Renaissance (3)**

The prose writers and poets of 16th and 17th century England in relation to the cultural circumstances influencing and being influenced by their works. Topics may include the prospect and enactment of censorship; the centrality of the patronage system; courts and courtiers; changing views of monarchy and obedience; religious controversy; issues of gender, ethnicity and class; literature and science; pseudo-nonfictional strategies; adaptations of the bible, history, and mythology; and early book production and circulation. Student cannot receive credit for ENGL 55153 and ENGL 60423.

**ENGL 55163 - Milton and his Contemporaries (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55163 and ENGL 40473.

**ENGL 55173 - Shakespeare and Marlowe (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55173 and ENGL 40483.

**ENGL 55183 - Literature Pedagogy (3)**

This course introduces graduate students to the history and theory of teaching literature and prepares them to teach in the undergraduate classroom. Student cannot receive credit for ENGL 55183 and ENGL 60803.

**ENGL 55193 - Authorship in American Literary Culture (3)**

This course examines both shifting conceptions of authorship (e.g., writer versus author) and issues associated with authorial practices in American literary culture. Topics may include individual authors' careers and questions about how conditions in different time periods (e.g., the rise/fall of magazine culture or changes in the public's reading habits) have shaped literary careers. Students may repeat this course, which could utilize diverse organizing principles in differing offerings (e.g., popular culture authorship versus high art; American authorship as seen in critical theory; factors promoting the shift from amateur activity to professionalization). Student cannot receive credit for ENGL 55193 and ENGL 70593.

**ENGL 55203 - Postcolonial Literature (3)**

Seminar in the cultural politics of countries formerly colonized by Great Britain. Topics vary: recent offerings have focused on India, Ireland, South Africa, Kenya, and Zimbabwe. Student cannot receive credit for ENGL 55203 and 80463.

**ENGL 55213 - Seminar in American Literature since 1900 (3)**

Seminar in American literature since 1900. Student cannot receive credit for ENGL 55213 and 80513.

**ENGL 55223 - Rhetoric and Literature (3)**

The applications and implications of rhetorical criticism for the study of literature. Student cannot receive credit for ENGL 55223 and ENGL 70713.

**ENGL 55233 - Seminar in British Literature of the Victorian Period (3)**

Variable emphasis each semester. (Past offerings have included The Brownings' Circle.) Student cannot receive credit for ENGL 55233 and ENGL 80453.

**ENGL 55243 - Seminar in British Literature of the Eighteenth Century (3)**

Seminar in British literature of the eighteenth century. Student cannot receive credit for ENGL 55243 and ENGL 80433.

**ENGL 55253 - Classical Rhetoric (3)**

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. Student cannot receive credit for ENGL 55253 and ENGL 50253.

**ENGL 55273 - British Literature since 1800 (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Students cannot receive credit for ENGL 55273 and ENGL 30123.

**ENGL 55283 - British Literature: The Bloomsbury Group (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55283 and ENGL 30463.

**ENGL 55303 - Research Seminar in British Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL or WRIT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 British literature and writing. Student cannot receive credit for ENGL 55303 and ENGL 38013.

**ENGL 55313 - The Roaring Twenties (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of major American authors emerging in the Twenties, the cultural context for their art, and the influences of their achievements. Student cannot receive credit for ENGL 55313 and ENGL 30503.

**ENGL 55323 - Medieval and Early Modern Women Writers (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of one or more female authors writing in the medieval or early modern periods in Britain, with attention to the development of beliefs about women's roles and characters and the ways these beliefs were accepted, challenged, or discredited. Genres, authors, and approaches may vary by section. Student cannot receive credit for ENGL 55323 and ENGL 30633.

**ENGL 55333 - Shakespeare (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for ENGL 55333 and ENGL 40493.

**ENGL 55343 - Studies in Early American Literature (3)**

Prerequisites: ENGL 10803, 20803, and one 20000-level ENGL/WRIT course. 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. Student cannot receive credit for ENGL 55343 and ENGL 40543.

**ENGL 55353 - U.S. Multi-Ethnic Literature (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An analysis of the fiction, poetry, drama and essays by major ethnic writers from the United States. From a comparative angle, this course will explore the historical, social, cultural and racial contexts that shape the literature. Several critical approaches will be taken to show interrelationships among writers. Student cannot receive credit for ENGL 55353 and ENGL 30693.

**ENGL 55363 - Transnational American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Exploration of American literature from a transnational perspective. Topics vary by semester. May be taken only once for credit. Student cannot receive credit for ENGL 55363 and ENGL 40663.

**ENGL 55373 - Studies in 20th Century American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Concentrated study of American literature, 1900 to the present. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different sub-headings. Student cannot receive credit for ENGL 55373 and ENGL 40683.

**ENGL 55383 - The Victorian Novel (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for ENGL 55383 and ENGL 30453.

**ENGL 55393 - Satire (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55393 and ENGL 30733.

**ENGL 55403 - Women Poets and Poetic Tradition (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55403 and ENGL 30493.

**ENGL 55413 - Studies in Medieval Literature and Culture (3)**

Prerequisite: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Concentrated study of Medieval literature and culture, 500-1500. Topics, genres, authors, and approaches will vary by semester. May be taken more than once for credit under different sub-headings. Student cannot receive credit for ENGL 55413 and ENGL 30413.

**ENGL 55423 - American Literature to 1865 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The first of two period surveys in American Literature, this one spanning from the Colonial times through the Civil War. This course considers literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. Students may take both courses or either course. Student cannot receive credit for ENGL 55423 and ENGL 30133.

**ENGL 55433 - Wilde Years: Oscar Wilde and the 1890s (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55433 and ENGL 30473.

**ENGL 55443 - African American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. An analysis of the fiction, poetry, drama and/or essays written by African Americans, with texts potentially drawn from the slave era through post-civil rights, exploring chronologically the historical, social, cultural and racial contexts which shape the literature. Student cannot receive credit for ENGL 55443 and ENGL 30573.

**ENGL 55453 - King Arthur in Literature and Legend (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55453 and ENGL 30673.

**ENGL 55463 - Transnational Arabs: the Middle East and North Africa in Diaspora (3)**

Prerequisites: ENGL 10803, 20803 and at least one ENGL/WRIT/CRWT class. This course examines the political and social histories of Middle Eastern and North African diasporic communities, paying close attention to how they address creativity and concerns about cultural preservation and assimilation. Class discussion will be grounded in critical race

theory constructivist approaches to literature and culture. Student cannot receive credit for ENGL 55463 and ENGL 30883.

**ENGL 55473 - Research Seminar in American Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 American literature and writing. This course is not repeatable for credit. Student cannot receive credit for ENGL 55473 and ENGL 38023.

**ENGL 55483 - Victorian Women Writers (3)**

An intensive examination of Victorian women poets, novelists, and prose writers in the context of historical conditions and feminist theory. Student cannot receive credit for ENGL 55483 and ENGL 70483.

**ENGL 55493 - Digital Approaches to Textual Problems (3)**

Students will explore the methods and theories that underlie big data in the humanities. Students will examine how we can better ask and answer research questions in rhetoric, culture, and literature through the use of digital tools such as R and/or Python. Students will work independently and collaboratively to perform humanities research using these tools. Through a series of close reading, distant reading, writing, and programming assignments, students will also examine issues of race, class, gender, and sexuality. Students will learn to think critically about the uses and limitations of digital methods and theories. Student cannot receive credit for ENGL 55493 and ENGL 30873.

**ENGL 55503 - Studies in Nineteenth-Century American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and one 20000-level ENGL/WRIT/CRWT course. 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. Student cannot receive credit for ENGL 55503 and ENGL 40553.

**ENGL 55513 - Introduction to Modern Critical Theory (3)**

A seminar on major authors and issues in contemporary critical theory. Student cannot receive credit for ENGL 55113 and ENGL 60123.

**ENGL 55523 - Archival Scholarship (3)**

Prerequisite: Admission to a TCU graduate program. Study of theories and promising practices for doing effective archival research; critical reading of influential examples from archival scholarship; use of traditional and digital archives; practice developing archival projects; examination of issues associated with archives and archival research today. Student cannot receive credit for ENGL 55523 and ENGL 60133.

**ENGL 55533 - Literature of Latinx Diaspora (3)**

Examination of significant works of literature in multiple genres by U.S. Latinx authors. Particular emphasis will be put on a comparative approach, exploring the literature of Puerto Rican, Cuban, Chicana/o, Mexican, Dominican, and/or Nicaraguan Americans. Texts vary by semester. Student cannot receive credit for ENGL 55533 and ENGL 80533.

**ENGL 55543 - Renaissance Drama Exclusive of Shakespeare (3)**

The study of the works of major Elizabethan and Jacobean playwrights. Student cannot receive credit for ENGL 55543 and ENGL 60433.

**ENGL 55553 - American Novel I (3)**

The American novel from its beginnings to 1890. Topics examined include the Gothic and sentimental novelists (Brown, Rowson), the early national novel (Cooper), the Romantics (Hawthorne, Melville), Realism and the Realists (Twain, James, Howells), and the early Naturalists (Norris). Student cannot receive credit for ENGL 55553 and ENGL 70503.

**ENGL 55563 - Toni Morrison (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. An intensive study of the works of Toni Morrison. Attention will also be given to the cultural contexts (historical and contemporary) that structure the worlds of Morrison's fiction and influence the reception of her work. Student cannot receive credit for ENGL 55563 and ENGL 40533.

**ENGL 55573 - U.S. Women's Writing I (3)**

A study of American women's writings from the colonial period through 1865, 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. Student cannot receive credit for ENGL 55573 and ENGL 40513.

**ENGL 55583 - Seminar in Contemporary African-American Literature (3)**

This seminar provides graduate students with the opportunity to research and present theoretical approaches to representative contemporary fiction by African-Americans. Continuities will be established between theories shaped by the Black Arts Movement of the sixties and those shaped by post-modernist thinking. Representative writers may include Alice Walker, Toni Cade Bambara, Charles Johnson, Toni Morrison and Ernest Gaines. Student cannot receive credit for ENGL 55583 and ENGL 80583.

**ENGL 55593 - The Long Novel (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55593 and ENGL 40743.

**ENGL 55613 - Women's Rhetorics (3)**

This course examines the histories, theories, and practices of women's rhetorics from the classical era through the present. Students will examine primary texts of women rhetors - essays, "ordinary" writing such as letters and autobiographies, and speeches, to name only a few - as well as secondary sources of those texts, paying particular attention to the ways gender, race, class, religion, place, sexual orientation, and politics shape sense of audiences, methods of invention, arrangement, choices of style, form, tone, and genre. Student cannot receive credit for ENGL 55613 and ENGL 80613.

**ENGL 55633 - Love, Sex, and Power in Renaissance England (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one additional 10000- or 20000-level ENGL/WRIT/CRWT course. An advanced course on the subject of romantic love, gender relations, and sexuality in literature of the English Renaissance. This course examines the political, cultural, and aesthetic contexts of love and sex that shaped representations of desire in some of the Renaissance's most enduring works, including drama and poetry by Shakespeare and others. Student cannot receive credit for ENGL 55633 and ENGL 40633.

**ENGL 55713 - Mexican American Culture (3)**

The course examines expressive culture that reflects and shapes the way people think, behave, and give their lives meaning. The expressive culture includes history, literature, and lore considered as resources 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. Student cannot receive credit for ENGL 55713 and ENGL 30713.

**ENGL 55723 - Contemporary Latinx Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803 and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Study of literary works in English on various genres by U.S. authors of Puerto Rican, Mexican, Nicaraguan, Cuban, Dominican, and/or Chicano/a backgrounds. Historical emphasis will be limited to the twentieth and twenty-first centuries. Topics of analysis include race, gender, class, nationality, migration, immigration, and urban studies. Student cannot receive credit for ENGL 55723 and ENGL 30703.

**ENGL 55733 - Children's Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. A study of the history and criticism of children's literature, with an emphasis on Anglophone works from the last 200 years. Student cannot receive credit for ENGL 55733 and ENGL 40733.

**ENGL 55743 - Urban Experiences and American Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000- level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55743 and ENGL 30163.



**ENGL 55753 - Law and Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one other 10000- or 20000-level ENGL/WRIT/CRWT course. This course will explore the parallel interests and debates of literary and legal discourse. Subtopics and time period may vary by semester. Student cannot receive credit for ENGL 55753 and ENGL 30823.

**ENGL 55763 - Race and Gender in American Literature (3)**

Examination of race and gender in American literature in relation to recent developments in fields such as women's studies, gender studies, critical race studies, Native American studies, and/or African American studies. Themes will vary by semester. Student cannot receive credit for ENGL 55763 and 80523.

**ENGL 55773 - Literature of the Middle East and North Africa (3)**

Prerequisites: ENGL 10803 and ENGL 20803 and at least one ENGL/WRIT/CRWT class. This class examines literature from across the Middle East and North Africa, addressing a wide range of topics such as dissent and conformity, religious and secular identity, sex and gender, conflict and reconciliation, etc. Discussions will be grounded in critical race theory cultural, constructivist approaches to literature. Student cannot receive credit for ENGL 55773 and ENGL 30863.

**ENGL 55783 - American Non-Fiction Prose (3)**

Major documents of non-fiction prose in American literature. Student cannot receive credit for ENGL 55783 and ENGL 70573.

**ENGL 55813 - American Literature since 1865 (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. The second of two period surveys in American Literature, this one spanning from after the Civil War to the present. This course considers literary antecedents, the conventions of various genres, the cultural circumstances of composition, and interpretive strategies. The English Department recommends that ENGL 30133 and 30143 be taken consecutively. Student cannot receive credit for ENGL 55813 and ENGL 30143.

**ENGL 55823 - American Fiction, 1960 to the Present (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT 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. Student cannot receive credit for ENGL 55823 and ENGL 30593.

**ENGL 55833 - Australian Literature (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. This course examines a wide variety of Australian literature written between European colonization in 1788 and the present. Student cannot receive credit for ENGL 55833 and ENGL 30843.

**ENGL 55843 - Research Seminar in Global Literature (3)**

Prerequisites: English majors or minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces English majors and minors to a sustained, long-format research project over the course of the semester. 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 global and diasporic literatures and writing. This course is not repeatable for credit. Student cannot receive credit for ENGL 55843 and ENGL 38033.

**ENGL 55853 - Seminar in Shakespeare (3)**

Seminar in Shakespeare. Student cannot receive credit for ENGL 55853 and ENGL 80413.

**ENGL 55973 - Directed Study in English (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Directed Study in English. Student cannot receive credit for ENGL 55973 and ENGL 50973.

## ENGR - Engineering

**ENGR 10032 - Static Mechanics (2)**

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 (3)**

Prerequisites: Must be an Engineering major or Energy Technology and Management minor. This course provides an introduction to the engineering design process and manual and computer-aided design graphics through student team projects, manual and computer-aided engineering problem solving and presentation.

**ENGR 10042 - Principles of Digital Logic (2)**

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 (3)**

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 10402 - Circuit Analysis and Design I (2)**

Prerequisites: MATH 10524 or concurrent. Terminal characteristics of passive devices and electrical energy sources. Basic DC circuit analysis laws and techniques applied to resistive circuits. Introduction to operational amplifiers. Introduction of computer-aided analysis and design tools.

**ENGR 10433 - Freshman Seminar in Engineering (3)**

Topics may vary each time it is offered.

**ENGR 10573 - Applied Programming Matlab (3)**

Students in the course will examine both structured programming concepts and Matlab's built-in functions, providing a platform for utilizing Matlab's extensive capabilities for contending with engineering problems. Students will study variables, assignments, input/output, selection statements, loops, and problem solving.

**ENGR 20404 - Circuit Analysis and Design II (4)**

Prerequisite: ENGR 10402, 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. Use of computer-aided analysis and design tools. Emphasis on the proper use of basic electrical laboratory instrumentation.

**ENGR 20413 - Circuit Analysis and Design III (3)**

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 (3)**

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 (3)**

Prerequisites: ENGR 10032, PHYS 20473/20474, and credit for, or concurrent enrollment in MATH 30613 and one of COSC 10403, COSC 10503, COSC 10603, ENGR 10573. 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 (3)**

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 20990 - International Residential Study (1.00-20.00)**

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.

**ENGR 30003 - Honors Tutorial (3)**

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 (4)**

Prerequisite: CHEM 10013 or 10113. 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. (Crosslisted as ENGR/PHYS 30014.)

**ENGR 30113 - Energy in Society (3)**

Prerequisites: junior standing or permission of instructor. This course is designed for any major at TCU who wants to develop a better understanding of how energy is produced, transported and marketed in the metroplex and across the country. Industry professionals will also visit to discuss current and developing technologies they are using to provide energy for the future. This course does not count toward the major requirements in engineering.

**ENGR 30444 - Electronics I (4)**

Prerequisite: ENGR 20404. Fundamentals of solid-state, discrete-component microelectronic devices, including the pn-junction diode, bipolar junction transistor, and field-effect transistors. 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 (4)**

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 (3)**

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 (3)**

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 (3)**

COSC Prerequisites: COSC 20803 and MATH 20123, or, ENGR prerequisites: ENGR 30444; all with a C- or better. 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. (Crosslisted as COSC 30253/ENGR 30573.)

**ENGR 30583 - Microprocessor Systems (3)**

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. (Crosslisted as COSC 30353/ENGR 30583.)

**ENGR 30593 - Computer Architecture (3)**

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. (Crosslisted as COSC 30453/ENGR 30593.)

**ENGR 30613 - Dynamics and Vibrations II (3)**

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 (3)**

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 (4)**

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 (4)**

Prerequisites: MATH 10524, CHEM 10013 or 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 (4)**

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 (1)**

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 (1)**

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 (3)**

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 30990 - International Residential Study (1.00-20.00)**

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.

**ENGR 40003 - Senior Honors Research Paper (3)**

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 (3)**

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 40213 - Sustainable Energy (3)**

Prerequisites: PHYS 20484, MATH 30524 or 30613, and ENGR 30704. This course introduces concepts that are needed to understand a range of diverse energy initiatives, and discusses resources available to supply

energy to both developed and developing nations. Energy sources of interest include geothermal, fossil fuels (coal, oil, gas), nuclear, wind, solar, hydropower, biofuels, conservation, hybrid energy systems, etc. The broad perspective helps the student develop an expanded knowledge base, and become a steward of the earth's natural resources.

#### **ENGR 40223 - Petroleum Reservoir Management (3)**

Prerequisites: PHYS 20484 and MATH 30524 or 30853 or 30613. Modern petroleum reservoir management relies on teams of people from a variety of scientific and engineering disciplines. This course will introduce concepts and terminology for topics that are often encountered by members of petroleum reservoir management teams. Topics from geology, geophysics, petrophysics, and petroleum engineering are discussed. A case study is used to integrate the material in the course.

#### **ENGR 40233 - Applied Reservoir Simulation (3)**

Prerequisites: ENGR 40223 or GEOL 40423. Oil and gas are essential sources of energy in the modern world. They are found in subsurface reservoirs in many challenging environments. Modern reservoir simulators are computer programs that are designed to model fluid flow in reservoirs. Applied reservoir simulation is the use of computer programs to help understand and forecast the performance of oil and gas problems. (Crosslisted as ENGR 40223/GEOL 40443.)

#### **ENGR 40303 - Petroleum Industry Overview (3)**

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 40313 - Energy from Fluids in Motion (3)**

Prerequisite: ENGR 40213. Science and engineering concepts that are needed to harvest energy from moving fluids are discussed. Energy sources include wind energy, hydroelectric energy, tidal energy and wave energy.

#### **ENGR 40323 - Solar and Nuclear Energy (3)**

Prerequisites: ENGR 40213. Science and engineering concepts that are needed to develop solar and nuclear energy resources are discussed. Energy resources include solar thermal energy, solar electric energy, nuclear fission and nuclear fusion.

#### **ENGR 40433 - Introduction to Microelectromechanical System (MEMS) (3)**

Prerequisites: ENGR 20404 and ENGR 20603. Micro Electro Mechanical Systems (MEMS) are miniature devices that are widely used in industrial and consumer products such as accelerometers, used in cars to activate the airbags and in smart phones to flip images and play video games. This course will cover the fundamentals of MEMS including the design and modeling, fabrication, actuation and sensing, packaging, testing and characterization as well as reliability. The applications and challenges of existing MEMS devices will be discussed.

#### **ENGR 40434 - Introduction to Microelectromechanical System (MEMS) (4)**

Prerequisites: ENGR 20404 and ENGR 20603. Micro Electro Mechanical Systems (MEMS) are miniature devices that are widely used in industrial and consumer products such as accelerometers, used in cars to activate the airbags and in smart phones to flip images and play video games. This course will cover the fundamentals of MEMS including the design and modeling, fabrication, actuation and sensing, packaging, testing and characterization as well as reliability. The MEMS concepts will be reinforced through labs using an advanced MEMS simulation tools. The applications and challenges of existing MEMS devices will be discussed.

#### **ENGR 40444 - Mechatronics (4)**

Corequisites: ENGR30444. Fundamentals of microcontroller-based mechatronics systems, as well as control and characterization of a variety of transducers. An Arduino microcontroller platform is used. Design, prototype, and characterization of various mechatronic systems conducted in lab.

#### **ENGR 40454 - Semiconductor Device Electronics (4)**

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 (4)**

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: metalized and diffused resistors, pn-junction diodes, metal-oxide-semiconductor (MOS) capacitors, and MOS field-effect transistors (MOSFETs).

#### **ENGR 40484 - Electromechanics (4)**

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 40493 - Power Systems Analysis (3)**

Prerequisites: ENGR 20404, and corequisite: ENGR 40484. Phasors, three phase power, power transmission-line parameters, transformer modeling, power flow analysis, short circuit analysis, basic concepts of generation, transmission, distribution, smart grids and renewable energy in power systems will be covered.

#### **ENGR 40494 - Power Systems Analysis (4)**

Prerequisites: ENGR 20404, and corequisite: ENGR 40484. Phasors, three phase power, power transmission-line parameter, transformer modeling, power flow analysis, short circuit analysis, basic concepts of generation, transmission, distribution, smart grid and renewable energy in power systems will be covered. Laboratory exercises will emphasize measurement and modeling parameters in power system network. It will also include an introduction on electrical power system analysis and energy management software for electrical engineering design.

#### **ENGR 40514 - Communication Systems (4)**

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 (4)**

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 40554 - Introduction to Digital Design (4)**

Prerequisites: ENGR 30444. Introduction to digital electronics and digital design principles. Topics include: Boolean algebra; combinational logic; sequential logic; finite state machines; transistor-level implementations; and computer arithmetic. A hardware description language (HDL) will be used to construct digital circuits using a field-programmable gate array (FPGA). Building finite state machines in hardware, and hands-on learning and design will be emphasized.

#### **ENGR 40574 - Digital Signal Processing (4)**

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 (3)**

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 (3)**

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 (3)**

Prerequisite: ENGR 30634. A continuation of ENGR 30634.

**ENGR 40723 - Heat Transfer (3)**

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 (3)**

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 (3)**

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 (3)**

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 - Introduction to Structural Dynamics (3)**

Prerequisites: ENGR 20613, MATH 30613. Structural excitation and response of vibratory systems including single and multiple degrees of freedom as well as continuous systems. Focuses on understanding and controlling to protect from failure the undesired response of structures (buildings, automobiles, aircraft, machine tools, and more) to the dynamic environments they encounter in actual operations.

**ENGR 40861 - Mechanical Systems Lab II (1)**

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 (1)**

Prerequisites: ENGR 30714. 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 (3)**

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 (3)**

Prerequisite: ENGR 40903. Continuation of ENGR 40903

**ENGR 40920 - Senior Design Projects (1.00-4.00)**

Prerequisite: Instructor approval. Individual design and development projects in fundamental or applied aspects of electrical or mechanical engineering 1-4 hours.

**ENGR 40950 - Engineering Internship (1.00-3.00)**

Prerequisites: 2.5 GPA in major, completion of two years course work and advisor's approval. Practical experience in engineering. Must include a minimum of 260 work hours in an approved practical experience situation for three semester hours of credit. Credit may be prorated. A weekly work journal and term paper are required for this course. (This course is only offered P/NC.) Course may be repeated but limited to a total of 3 credit hours.

**ENGR 40970 - Special Topics in Engineering (.50-6.00)**

Prerequisite: Instructor approval. 1-6 hours.

## ENSC - Environmental Science

**ENSC 10143 - Contemporary Environmental Issues (3)**

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 Disasters (3)**

This course provides an introduction to environmental disasters of the 20th and 21st centuries, including industrial accidents that released hazardous and toxic substances resulting in severe environmental impairments and human injuries and deaths. The course explores the impact of environmental disasters on human and environmental health by focusing on the types of pollutants released and their effects on various populations as well as terrestrial and aquatic ecosystems. The course also considers the role of local, state, national, and international agencies in responding to and preventing these disasters. Students will examine numerous environmental disasters from an environmental science perspective and consider their cultural, social, and economic impacts. The class combines lecture and laboratory to provide the most complete experience for students.

**ENSC 20003 - Astrobiology: Hunting for Habitable Worlds (3)**

Prerequisites: Permission of the Instructor. This course will introduce students to some of the big topics and questions in Astrobiology. This course will explore what makes Earth so habitable, how life might originate on other planetary bodies, and how we are actively looking for life on other planetary bodies in our Solar System and beyond. Finally, students will be asked to examine what it means to be an intelligent life-form and what responsibilities, if any, might come with that intelligence.

**ENSC 30003 - Junior Honors Seminar in Environmental Science (3)**

Prerequisite: Permission of Instructor.

**ENSC 30113 - Weather and Climate (3)**

Three hours 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. (Crosslisted as ENSC/GEOL 30113)

**ENSC 30123 - History of Women in Science (3)**

Prerequisites: Sophomore in standing, or WGST 20003 Introduction to Women and Gender Studies, or permission of the instructor. Two hours of lecture and two hours of laboratory a week. This course will examine the reasons behind the gender-related differences in STEM today and review the societal and cultural reasons behind the historical exclusion and erasure of the contributions of women to the STEM fields. We will explore and evaluate the contributions of women to the advancement of science throughout history.

**ENSC 30133 - Concepts in Environmental Science (3)**

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 30143 - Introduction to Sustainability Science (3)**

Prerequisites: ENSC 10143. This course offers an introduction to the science of sustainability and emphasizes multi- and trans-disciplinary approaches to solving the world's most pressing environmental, social, and economic challenges. In this course, we explore the science behind sustainability through a complex systems perspective and examine strategies used by governmental institutions as well as nonprofit and for-profit entities to develop and implement sustainability. Themes discussed include climate, water, food systems, energy and materials management, green space and biodiversity, pollution, environmental justice, cities, green building design, and transportation.

**ENSC 30313 - Sustainable Development in Costa Rica (3)**

This program examines how Costa Rica has managed their natural resources to conserve biodiversity, including ecosystem service payments, the social value placed on conservation and the political

history that has allowed Costa Rica to emerge as the only stable political regime and economy in Central America and the second-most famous ecotourism destination in the world. Their emerging economy creates unique challenges to balance development with conservation and creates a unique opportunity for students to observe sustainable development first-hand, engage in critical and reflective thinking about resource consumption, and evaluate the social implications of sustainability.

#### **ENSC 30324 - Introduction to Marine Science (4)**

Prerequisites: BIOL 30403 or ENSC 30133 Three hours lecture and one laboratory period per week. An Interdisciplinary exploration of the biology, chemistry, geology, physics, and human use of the ocean and its resources. This course is recommended for students with a major interest in the life and earth sciences. (Crosslisted as BIOL/ENSC 30324)

#### **ENSC 30363 - Introduction to Geospatial Technology (3)**

Introduction to the fundamentals of Geospatial Technologies, including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis through a series of hands-on computer-based exercises. Participants will learn how to utilize geospatial technology to address social and environmental issues. This course is designed to be used as a stand-alone course to complement other disciplines or as an entry level course into other GIS classes. (Crosslisted as ENSC/GEOL 30363.)

#### **ENSC 30403 - Field Experience (3)**

Prerequisites: Major field of study within the College of Science & Engineering with 60 hours of coursework completed. Two hours of lecture and one three-hour laboratory period per week. This is a field course with potentially lengthy hikes and difficult terrain. Field experience is considered essential for a degree in environmental science or geology and the course offers instruction in fundamental field skills. (Crosslisted as GEOL/ENSC 30403.)

#### **ENSC 30443 - Earth Materials (3)**

Prerequisites: GEOL 10113 or equivalent, and permission of instructor. This course examines the chemical and physical processes involved in producing minerals, soils and rocks on the earth. Students also learn how these materials are used in our society as well as the economic importance and environmental implications of their use. The class combines lecture and laboratory to provide the most complete experience for students. Credit will not be granted for both GEOL 30213 and ENSC/GEOL 30443. (Crosslisted as ENSC/GEOL 30443)

#### **ENSC 30453 - Wildlife Research Project (3)**

Prerequisites: Six semester hours in Biology and permission of instructor. Two one-hour lectures and one three-hour laboratory/fieldwork per week. In this course students will design and implement local wildlife research projects and apply scientific methods to test hypotheses. Students will then gain essential skills through the analysis of their data, using web of science and preparing scientific reports.

#### **ENSC 30493 - The Water Planet (3)**

Prerequisites: ENSC 10143 or GEOL 10113 or Junior standing. Two hours of lecture and two hours of laboratory per week. This course provides students with a comprehensive understanding of the multi-faceted dimensions of water on Earth. Course topics include the basics of water at a micro-scale (e.g., properties, form, and behavior), local and regional-scale water issues (e.g., water distribution, supply-demand, pollution, and management), and global-scale processes (e.g., hydrological cycle). Course topics are presented within an interdisciplinary framework through an examination of several water-related case studies from around the world. In this course, students will learn important terminologies, key concepts, and issues in water science.

#### **ENSC 30990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 40001 - Scientific Presentations (1)**

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 (3)**

A research study and paper, under faculty direction, in some area of environmental science.

#### **ENSC 40010 - Research in Sustainability Science (1.00-6.00)**

Prerequisites: Junior standing and instructor permission. Field and laboratory problems in sustainability science for advanced undergraduate students. Fifty clock hours of laboratory and field work for each semester hour credit.

#### **ENSC 40013 - Environmental Internship (3)**

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 40030 - Research in Applied Wildlife Ecology (1.00-3.00)**

Prerequisites: Junior standing and instructor permission. Field and laboratory problems for advanced students. One to three clock hours per week of laboratory and/or field work are required for each semester hour of credit, for up to three semester hours any given semester. For a maximum total of six semester hours of independent research, this course can be repeated. Note that 1 credit hour equates to 50 hours in the field or lab.

#### **ENSC 40040 - Water Resources Research (1.00-6.00)**

Prerequisites: Junior standing and instructor permission. Field laboratory, and computational modeling problems in water resources for undergraduate students. Fifty clock hours of laboratory, computational, and fieldwork for each semester hour credit. 1-6 semester hours.

#### **ENSC 40173 - Mammalogy (3)**

Prerequisites: six semester hours in Biology. Two hour lectures and two hours of laboratory per week. This course introduces advanced undergraduate students to mammals. Lectures will examine the major topics of mammalian biology, including the evolutionary history, classification, adaptations, ecology, and natural history of mammals. Field techniques for the study of mammalian biodiversity and abundance will also be covered in this course. Field trips will be required. (Crosslisted as BIOL/ENSC 40173.)

#### **ENSC 40193 - Environmental Stewardship Seminar (3)**

Three hours 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 40203 - Rwanda Human and Environmental Health (3)**

Prerequisites: 6 credit hours of Biology. This course aims to give students and immersive experience into Rwanda's rapidly developing human population, and specifically looks at the consequence of this population growth on human health and the environment. During the course all students will be exposed to the culture and challenges facing Rwanda. Students will then be given the option to continue conducting a research project in either human health or environmental health in Rwanda. (Cross-listed as BIOL/ENSC 40203)

#### **ENSC 40353 - Wildlife Ecology and Management (3)**

Prerequisites: Six semester hours in Biology. Two hour lectures and a three hour laboratory each week. This discussion-oriented course introduces advanced undergraduate students to the general principles of wildlife ecology and how those principles can be applied to wildlife

management and conservation. The objectives of this course are 1) to provide an introduction to the major concepts of Wildlife Ecology and Management, and 2) to allow you to learn the application of the scientific method to ecological problems. Laboratory exercises are required. (Crosslisted as BIOL/ENSC 40353)

#### **ENSC 40493 - Geomorphology (3)**

Prerequisite: permission of the instructor. Two hours lecture and one two hour laboratory per week. Endogenic and exogenic processes and land forms; geologic control; short-term, long term and human-imposed landscape development; morphometric analysis and study of recent movements; environmental geomorphology. (Crosslisted as ENSC/GEOL 40493)

#### **ENSC 40503 - Environmental Methods and Statistics (3)**

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 40553 - Zoo Animal Enrichment (3)**

Prerequisites: Junior standing. This is a team-taught course between Environmental Science and Studio Art. In this course students will explore the ecology and behavior of wild animals to provide insights into the types of stimuli they naturally encounter. These insights will then be used to develop and build objects and structures that will engage and enrich the lives of animals at the Fort Worth Zoo. Students will work in teams to study a specific species currently residing at the zoo and create objects and structures that will enhance their lives in captivity. (Crosslisted as ARST 40553)

#### **ENSC 40601 - South African Biodiversity and Human Development Part 2 (1)**

This course builds on what students learned and experienced in South Africa with regard to the rapidly developing human population and simultaneous efforts to preserve and conserve the natural heritage and biodiversity for future generations. For this course, students will develop and produce a research report that examines one aspect of wildlife conservation and human development.

#### **ENSC 40603 - South African Biodiversity and Human Development Part 1 (3)**

Prerequisites: Junior standing. This course aims to give students an immersive experience into South Africa's rapidly developing human population while the country simultaneously strives to preserve and conserve its natural heritage and biodiversity for future generations. This course will address the geopolitical and socio-economic aspects of South Africa's human development.

#### **ENSC 40703 - Global Perspectives in Health (3)**

Prerequisites: 6 credit hours of Biology or equivalent. 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. Usually taught in summer abroad program. (Cross-listed as BIOL 40703/NURS 30063/ENSC 40203)

#### **ENSC 40970 - Special Problems (1.00-6.00)**

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 (3)**

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 50213 - Environmental Geology (3)**

Prerequisite: Permission of 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. (Crosslisted as ENSC/GEOL 50213)

#### **ENSC 50233 - Urban Wildlife (3)**

Prerequisites: one semester of biology and junior or higher standing. Through readings, discussions, lectures and two required Saturday field trips, students will gain an appreciation for urban wildlife habitat in its many forms by providing a foundation of knowledge regarding wildlife ecology and natural habitats and the ability to relate this knowledge to the urban environment.

#### **ENSC 50333 - Energy Development and Wildlife Conservation (3)**

Prerequisites: Three semester hours of biology. The quest for energy can cause problems for wildlife, but through effective use of Best Management Practices (BMPs), the impact of energy development and distribution on wildlife can be limited. From site selection through production to reclamation, practical means exist to promote wildlife-friendly energy development. This course will feature BMPs that allow energy development and wildlife conservation to coexist.

#### **ENSC 50403 - Rivers in the Landscape (3)**

Prerequisites: Junior Senior, or graduate standing. In this course, students analyze modern principles of river processes and forms within a geographical perspective. The course examines the fundamental mechanics of fluvial channels with an emphasis placed on both qualitative and quantitative geographic and geologic evaluation of river processes and their products. The course emphasizes natural scientific perspectives and includes linkages to ecology, engineering, natural resources, and resources management/policy.

#### **ENSC 50493 - Physical Hydrology (3)**

Prerequisite GEOL 10113 and permission of instructor. Two hours 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. (Crosslisted as ENSC/GEOL 50493)

#### **ENSC 50503 - Wetlands Delineation and Management (3)**

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 (3)**

Prerequisites: 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 50523 - Introduction to Geographic Information Systems (3)**

Prerequisites: GEOL/ENSC 30363. Basic introduction to Geographic Information Systems using ESRI-ArcGIS. Elements of spatial data, mapping, data representation, and geodatabases. Training in use of a GIS system to infer relationships among spatial features. (Crosslisted as ENSC/GEOL 50523.)

#### **ENSC 50551 - Anthropogenic Disturbance of Wildlife (1)**

Prerequisites: Six semester hours in Biology, and permission of instructor. This is a seminar class in which students will be introduced to both the direct and indirect ways humans impact wildlife. Students will review and discuss current literature related to this topic (e.g., road ecology and wind energy). This class comprises one fifty minute seminar per week.

#### **ENSC 50593 - Environmental Modeling (3)**

Prerequisite: Permission of instructor. This course will cover physical and empirical models and their applications in areas such as hydrology,

wildlife, ecology, and human health. Class consists of 2 hours lecture, and 2 hours hands-on computer modeling laboratory. (Crosslisted as ENSC/GEOL 50593)

### **ENSC 50613 - Chemical Analysis of Environmental Systems (3)**

Prerequisite: CHEM 10113 or equivalent. This course covers analytical instrumentation and techniques used in chemical analysis of environmental systems including aquifers, streams, soils and the atmosphere.

### **ENSC 50633 - Geochemical Analysis (3)**

Prerequisite: CHEM 10113 or equivalent. Project-based, integrated laboratory course covering instrumentation, data acquisition, data analysis and data presentation techniques used in the chemical investigations of geological and related systems including rocks, aquifers, streams and soils. (Crosslisted as ENSC/GEOL 50633)

### **ENSC 50693 - Natural Resources Compliance (3)**

Prerequisites: Major field of study within the College of Science & Engineering. This course is designed to teach the basics of natural resources 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 the natural resources regulatory framework, how natural resources regulations interrelate, federal versus state or local regulatory agency authority, basic permitting processes, and the fundamentals of compliance. Students will have the opportunity to apply the knowledge they gain to real-life situations throughout the class.

### **ENSC 50703 - Environmental Compliance (3)**

Prerequisites: Major field of study within the College of Science & Engineering with 60 hours of coursework completed; or graduate enrollment in SCEE; or permission of instructor. 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 real-life situations throughout the class.

### **ENSC 50713 - Phase I and Phase II Environmental Site Assessment (3)**

Prerequisites: Major in College of Science & Engineering, with 60 earned hours or graduate enrollment in SGEE. 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 (3)**

Prerequisites: Major in College of Science & Engineering, with 60 earned hours or graduate enrollment in SGEE. 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 50743 - Environmental Impact Statements (3)**

Prerequisites: Major in College of Science & Engineering, with 60 earned hours or graduate enrollment in SGEE. 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 (3)**

Prerequisites: ENSC 50703, and major field of study within the College of Science & Engineering with 60 hours of coursework completed; or graduate enrollment in SCEE; 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 (3)**

Prerequisites: GEOL 30443 and major field of study within the College of Science & Engineering with 60 earned hours, or graduate enrollment, 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. (Crosslisted as ENSC/GEOL 50763.)

### **ENSC 50773 - Introduction to Environmental Law (3)**

Prerequisites: Major field of study within the College of Science & Engineering with 60 earned hours; or graduate enrollment. Students will be introduced to and will analyze selected federal statutes governing environmental remediation, discharge of pollution, and management of wastes, including the Comprehensive Environmental Response Compensation and Liability Act, the Resource Conservation and Recovery Act, the Clean Water Act, the Clean Air Act, the Endangered Species Act, and others, including the common law (nuisance, trespass, negligence.) Students will be introduced to the American legal system and the role of experts in lawsuits. Students will read and discuss in class statutes, case law, and related materials. (Crosslisted as ENSC/GEOL 50773.)

### **ENSC 50783 - Environmental Chemistry (3)**

Prerequisites: CHEM 10123 and 10122 or 10125 or 20123 or permission of instructor. Three hours 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. (Crosslisted as CHEM/ENSC/GEOL 50783.)

### **ENSC 50793 - Environmental Sustainability (3)**

Prerequisite: Major field of study within the College of Science & Engineering with 60 hours of coursework completed; or graduate enrollment in SGEE, or permission of instructor. Includes global populations, resource consumption (water, waste, energy pollution), environmental regulations, environmental management systems, and an introduction to ISO14001. This course also introduces the concepts of return on investment (ROI) and building a financial case for sustainability.

### **ENSC 50863 - Spatial Analysis (3)**

Prerequisites: MATH 10043 or equivalent, ENSC/GEOL 30363, and ENSC/GEOL 50523, or permission of instructor. Further development of GIS skills to include 3D data modeling, image analysis using Remote Sensing data, advanced GPS mapping, geoprocessing to infer relationships between spatial features, spatial statistics, model building and good cartographic design. (Crosslisted as ENSC/GEOL 50863.)

### **ENSC 50873 - Environmental Remote Sensing (3)**

Prerequisites: Seniors and graduate students who have taken any of the following courses: GEOL(ENSC) 30363, GEOL 50731, 50523, 50863, 50883, 50713 or permission of instructor. This course introduces students to fundamental principles and concepts of remote sensing and explores the applications of remote sensing datasets and techniques in geological and environmental sciences. Hands-on exercises on the applications of remote sensing techniques in geological and environmental sciences are key components of the course. The hands-on exercises are mainly based on data from local or international case studies or collected by students in the field (e.g. using Unmanned Aerial Systems (UAS)). Digital image processing techniques/software including ENVI as well as Synthetic Aperture Radar (SAR) processing software such as SNAP will be used for data analysis and interpretation. Crosslisted as GEOL/ENSC 50873.

### **ENSC 50883 - Applied GIS (3)**

Prerequisites: ENSC/GEOL 50523 and ENSC/GEOL 50863, or permission of instructor. Independent work in specially designed projects not covered by regular course offerings for students to continue to advance their basic GIS skills. The student is required to do independent

research on a GIS problem, submit a paper with associated maps and give an oral presentation of the findings. A GIS faculty supervisor will be appointed for each research problem. (Crosslisted as ENSC/GEOL 50883.)

### **ENSC 50963 - GIS Internship (3)**

Prerequisites: 2.75 GPA in major, completion of at least 6 hours of approved GIS courses and permission of instructor. Practical experience working in the GIS field. Must include a minimum of 260 work hours in approved practical experience situation with an organization or company approved by instructor. A weekly work journal is required for this course. This course is only offered on a P/NC basis. (Crosslisted as ENSC/GEOL 50963.)

## **ENTM-Energy-Technology-Management**

### **ENTM 30990 - International Residential Study (1.00-20.00)**

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.

### **ENTM 40803 - Advanced Readings in Energy (3)**

Prerequisites: 2.5 GPA in major, completion of at least 2 approved energy minor courses and approval of the energy minor advisor. This course consists of advanced topical readings in energy as assigned by the instructor. The student will be expected to write summary papers on the assigned readings as outlined in the syllabus.

### **ENTM 40903 - Energy Internship (3)**

Prerequisites: 2.5 GPA in major, completion of at least 3 approved energy minor courses and approval of energy minor advisor. Practical experience in the energy field. Must include a minimum of 260 work hours in an approved practical experience situation. A weekly work journal and term paper are required for this course. This course is only offered on a P/NC basis.

### **ENTM 40970 - Directed Studies in Energy Technology and Management (1.00-3.00)**

Prerequisites: Must have C or better in at least 9 hours of approved courses in the minor and permission of instructor and program advisor.

## **ENTR - Entrepreneurship**

### **ENTR 20153 - Entrepreneurial and Business Regulatory Environment (3)**

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. New and established ventures must operate within complex legal and social environments. This course is designed to assist the future entrepreneur or manager in working within these regulatory environments, considering laws, policies, regulations and norms at all stages of a venture. Students cannot receive credit for both ENTR 20153 and MANA 20153.

### **ENTR 20970 - Special Problems in Entrepreneurship & Innovation (1.00-6.00)**

(1-6 semester hours). This course may be repeated for credit. Maximum 3 hours per course.

### **ENTR 30113 - ENTREPRENEURIAL NIL (3)**

This course is designed to provide applicable, real world, and experiential learning opportunities for students wanting to immerse themselves into the complex and rapidly evolving world of Name, Image and Likeness (NIL). Students will ideate, create, develop, review, apply, and deploy an entrepreneurial NIL venture. Students will learn and apply key concepts in business formation, contract management, taxation, financials, customer acquisition, brand management, and legal formations.

### **ENTR 30303 - Entrepreneurial Leadership (3)**

Prerequisites: Must be a business major or ENTR minor. This course cannot be taken for credit by students admitted to or enrolled in the BNSF Neeley Leadership Program. This course is designed to give students 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.

### **ENTR 30533 - Entrepreneurial Opportunity Recognition (3)**

Prerequisites: Must be a business major or ENTR Minor. Students may not receive credit for both ENTR 30533 (Entrepreneurial Opportunity Recognition) and ENTR 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.

### **ENTR 30543 - Entrepreneurial Innovation & Creativity (3)**

Prerequisites: ENTR 30533, must be a business major or ENTR minor. The field of entrepreneurship involves the study of sources of opportunities; the processes of discovery, evaluation, and exploitation of opportunities; and the set of individuals who discover, evaluate, and exploit them. As such, being creative is about solving problems or approaching opportunities in new and valuable ways. Creativity and innovation is of vital importance to entrepreneurship, so this course is designed to help students harness their creative confidence and focus on the discovery, evaluation and exploitation of entrepreneurial opportunities. This course focused on creativity as the driver of organizational innovation--from nonprofits and social enterprises, to start ups to family businesses to existing corporations. Using a variety of theories, frameworks and models, students will learn how to apply them to create, refine and test new ideas within entrepreneurial domains.

### **ENTR 30773 - Entrepreneurship and Energy (3)**

Students may not receive credit for both ENTR 30533 and ENTR 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.

### **ENTR 30970 - Special Problems in Entrepreneurship & Innovation (1.00-6.00)**

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

### **ENTR 40010 - Internship (1.00-20.00)**

The Entrepreneurship Internship is an integral part of a student's academic foundation in entrepreneurship. The internship offers students the opportunity to gain practical work experience and real-world exposure to the entrepreneurial environment, while working under the guidance and supervision of a successful practitioner. In the process, students have the opportunity to learn and develop the necessary interpersonal and professional skills for entry into an organization after graduation.

### **ENTR 40033 - Senior Honors Research Paper (3)**

Prerequisite: Departmental permission, and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

### **ENTR 40123 - Small Business Management (3)**

Prerequisites: ENTR 30533 and 40143, with a grade of at least a C-, and must be a Business major or ENTR minor. 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.

### **ENTR 40143 - New Venture Development (3)**

Prerequisites: ENTR 30533 with a grade of C or better and must be a business major or ENTR minor. 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.

### **ENTR 40163 - Ventures in Transition (3)**

Prerequisites: A business major or ENTR minor and ENTR 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.

#### **ENTR 40233 - Family Business (3)**

Prerequisites: Must be a business major or ENTR minor. Entrepreneurial ventures often evolve into a family business. This course will explore the characteristics, unique strengths and specific challenges of family business. This includes issues of the next generation leaders, the legacy family members, the non-family employees, external service providers and governance of the family business itself.

#### **ENTR 40243 - Raising Entrepreneurial Capital (3)**

Prerequisites: ENTR 30533 and 40143, must be a business major or ENTR minor. Many new ventures and innovations fail due to inadequate funding. This course will focus on understanding the financial operating model for new venture as it launches and grows and then consider the potential sources of funding once the staged financial requirements are identified. Major sources of funding for new ventures are reviewed and evaluated, including 'bootstrap' financing, crowdfunding, equity finding (angel investment and venture capital), debt financing, grant funding and digital currencies.

#### **ENTR 40313 - Social Entrepreneurship (3)**

Prerequisites: Must be a business major or ENTR minor. Sustainable values-centered enterprises aim to address a vast array of economic and social problems, or leverage beneficial opportunities for relevant stakeholders, in an entrepreneurial fashion. This course is designed to introduce students to social and values-centered enterprises and provide them with the tools to contribute to the field through the generation of real-world solutions to socioeconomic problems or opportunities. The course will draw on some of the most accomplished practitioners of sustainable enterprising, as well as on historical and contemporary models to explore the unique range of issues and challenges facing a values-centered enterprise.

#### **ENTR 40333 - Corporate Entrepreneurship (3)**

Prerequisites: ENTR 30533 with a grade of at least C-, and must be a business major or ENTR minor. Corporate entrepreneurship refers to entrepreneurship within existing for-profit or not-for-profit organizations. It is the practice of seeking innovative uses, markets, or owners of the organization's existing products, services, and technologies. It draws the creativity of the organization's personnel to new business possibilities that go beyond the current business model of the organization. It engages the entrepreneurial spirit in spawning a new vision from within the organization. By imparting proven, useful, and effective techniques for managing innovation and entrepreneurship within corporations, this course will position students to participate in the economic renewal of their companies, and potentially, their cities, states, and nations. Students will further learn to recognize organizational challenges; create innovative, value oriented solutions; and sell those solutions to management.

#### **ENTR 40653 - Survey of Entrepreneurship (3)**

3 hours. Prerequisites: A minimum grade of C- in ACCT 20653 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 learn about these components through a combination of assigned readings, in-class exercises, and individual and team projects.

#### **ENTR 40970 - Special Problems in Entrepreneurship and Innovation (1.00-6.00)**

Prerequisites: Must be a business major or ENTR minor. This course may be repeated for credit. (1-6 semester hours)

## **ESOL - English for Speakers of Other Languages**

#### **ESOL 10003 - Reading/Study Skills (3)**

A course designed to introduce and reinforce the reading and study skills necessary for success in the U.S. university.

#### **ESOL 10103 - Intermediate Composition Skills (3)**

A course designed for students whose 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.

#### **ESOL 10113 - Advanced Composition Skills (3)**

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.

## **FAME - Fashion Merchandising**

#### **FAME 10243 - Introduction to the Fashion Industry (3)**

Prerequisite: Merchandising major or permission of chair. A 2.5 GPA is required for non-majors to enroll. Comprehensive introduction to the terminology, processes, practices, and interrelationships involved in marketing fashion goods and services.

#### **FAME 10433 - Freshman Seminar in Fashion Merchandising (3)**

Topics may vary each time it is offered.

#### **FAME 20223 - Sustainability Issues in Fashion Industry (3)**

An overview of sustainability issues in textile and apparel. Objective of this course is to provide an understanding of the role and impact of textile and apparel supply chain/industry on the global economy, environment, and society.

#### **FAME 20243 - Global Fashion Consumers (3)**

Prerequisites: Must be a Merchandising major, PSYC 10213 or SOCI 20213, and a grade of 'C' or better in FAME 10243. Exploration of the external and internal factors influencing global fashion consumers. Analysis of the motivation and consumer decision making process for fashion consumers in the global environment.

#### **FAME 20253 - Textile Fundamentals (3)**

Prerequisites: Merchandising major. Integrated lecture and lab. Process of producing fibers, yarns and fabrics, and their use in appropriate products.

#### **FAME 20263 - Fashion Drawing Fundamentals (3)**

Prerequisites: Merchandising major; a grade of C or better in FAME 10243 and 20253; and a grade of C or better in FAME 20273 or concurrent enrollment. Development of illustration skills to produce technical flats of garments, exploration of color theory, design principles and elements, concept development, presentation skills, and basic fashion illustration.

#### **FAME 20273 - Apparel Construction (3)**

Prerequisites: Merchandising major; a grade of C or better in FAME 10243 and 20253. Integrated lecture and lab. Development of basic sewing skills as applied to sewn goods. Understanding of proper fit and quality construction of apparel.

#### **FAME 20283 - Fashion Marketing and Digital Merchandising (3)**

Prerequisites: Merchandising major, a grade of 'C' or better in FAME 10243. Examination of strategic marketing principles for traditional and emerging digital media. Explore digital merchandising and marketing strategies for the fashion industry.

#### **FAME 20303 - Topics in Design and Merchandising (3)**

Prerequisites: Declared merchandising or interior design major and permission of instructor. The study of selected topics in Design and Merchandising. These topics will vary and may be repeated for credit with different course material.

#### **FAME 30003 - Honors Tutorial in Fashion Merchandising (3)**

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.

### **FAME 30233 - History of Modern Dress and Culture (3)**

Prerequisites: Merchandising major, and a grade of C or better in FAME 20253. The study of the interrelationship of costume with social, cultural, political and economic environments through a comparison study of civilizations from ancient times through to present day. Students may not receive credit for both FAME 30213 and FAME 30233, or FAME 30223 and FAME 30233. This course is not a substitute for FAME 30213 and FAME 30223.

### **FAME 30253 - Merchandise Buying (3)**

Prerequisite: Merchandising major, MS Excel Certification, TCU Core Math requirement, ECON 10223 or 10233, and a 'C' or better in FAME 20253 and 20273. An analysis of the concepts and tools required for planning, buying and selling merchandise assortments within the soft goods supply chain.

### **FAME 30273 - Digital Design (3)**

Prerequisites: Merchandising major; a grade of C or better in FAME 20253, 20263, and 20273. Integrated lecture with lab. Use of current industry software applications to develop textile designs, technical flat illustrations and presentation skills.

### **FAME 30283 - Technical and Creative Apparel Design (3)**

Prerequisites: Merchandising major, a grade of 'C' or better in FAME 20253 and 20273. The creative and technical processes used for design and development of apparel products including industry techniques for pattern development, style and fit analysis, and advanced construction methods for assembly and production.

### **FAME 30292 - Career Development for Merchandising (2)**

Prerequisites: Merchandising major; a grade of C or better in FAME 20263 and FAME 20283. 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, including resume writing, interviewing, leadership concepts and effective communication and advancement skills.

### **FAME 30293 - Product Development (3)**

Prerequisite: Merchandising major, CORE math, and a grade of C or better in DSGN 10153; and a grade of C or better in FAME 30273 or concurrent enrollment. Process of product development including research, line development, materials selection, fabric and style specifications, costing, merchandising, and marketing of the line. Identifying stitch and seam classifications, and discussion of production techniques and quality considerations.

### **FAME 40003 - Senior Honors Project in Fashion Merchandising (3)**

Prerequisite: Departmental major, enrollment in the Honors Program and completion of FAME 30003. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. FAME 40003 must be completed prior to the student's final semester of undergraduate work. May be based on subject matter explored in FAME 30003.

### **FAME 40013 - Entrepreneurship in Merchandising (3)**

Prerequisites: Merchandising major, a C or better in FAME 30253, 30263 or 30293, and ENGL 20803 or ENGL 20833. Introduction to the opportunities, risks and management problems involved in establishing and operating new enterprises related to the major. Emphasis is on business plan development.

### **FAME 40093 - New York Study Program (3)**

One week study tour of New York City's textile, apparel and merchandising industries accompanied by two weeks of on-campus study.

### **FAME 40203 - Appearance and Dress (3)**

Prerequisite: Merchandising major, ENGL 20803 or 20833, and a C or better in FAME 20243 and 30233, or both 30213 and 30223. Exploration of methods used to investigate, develop insights into, and formulate statements about clothing and appearance behavior. Emphasis on the development of critical thinking and writing skills.

### **FAME 40223 - Advance Topics in Merchandising (3)**

Prerequisites: Declared merchandising major and permission of department. The study of selected topics in Merchandising. These topics will vary and may be repeated for credit with different course material.

### **FAME 40243 - Global Trade of Textiles and Apparel (3)**

Prerequisites: Merchandising major, ECON 10223 or 10233, and a C or better in FAME 30291 or 30292 and 30263 or 30293. Study of the economic principles involved in the production, marketing and distribution of textiles and apparel in relation to the global market.

### **FAME 40253 - Textile Testing and Analysis (3)**

Prerequisites: Merchandising major; a C or better in FAME 30263 or 30293. Two hours lecture and one lab per week. Testing and analyzing the performance of textile products using standardized test methods and industry specifications. Emphasis is on identifying quality and performance characteristics of sewn products.

### **FAME 40263 - Merchandise Planning and Analysis (3)**

Prerequisites: Merchandising major, a grade of C or better in FAME 30253. Emphasis on merchandise sales forecasting and analysis, inventory planning and control, assortment planning, merchandise allocation, and vendor relationships.

### **FAME 40283 - Fashion Internship (3)**

Prerequisites: TCU cumulative 2.5 GPA, Merchandising major, a grade of C or better in FAME 30253, 30263, or 30293 and 30292. Supervised full-time work experience in a fashion related establishment. Weekly journals, assigned papers and projects will be required.

### **FAME 40970 - Special Problems (1.00-6.00)**

Prerequisites: Permission of Instructor. Hours to be arranged. Special problems requiring independent research and study within a related area, or field experience in design. (1-6 semester hours)

## **FINA - Finance**

### **FINA 10433 - The Contemporary Investor: Freshman Seminar in Finance (3)**

Freshman Seminar in Finance.

### **FINA 20203 - Introduction to Valuation and Investment Banking: TIP Board (3)**

Prerequisites: Admission to the TIP Board Program required. Permission number needed. This course is designed to increase student knowledge of transactional investments within corporations who specialize in investment banking, investment management, and private equity. In doing so, the course provides students direction and guidance as they make career decisions. A large portion of the course focuses on getting students prepared for recruiting in these specified areas of finance. During the course, students will be paired with two alumni mentors as part of the TIP Board Program.

### **FINA 20990 - International Residential Study (1.00-6.00)**

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)**

3 hours. Prerequisite: ACCT 20353 with a grade of at least C- and be any Business major or Finance minor with junior standing, or a pre-business major with sophomore standing with a 3.5 GPA and permission from the Finance Department Chair. 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. Credit will not be given for both FINA 30153 and 30653.

### **FINA 30203 - Money and Banking (3)**

3 hours. Prerequisite: ECON 10223, 10233, FINA 30153 with a grade of at least C-, and must be a 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.

### **FINA 30213 - Investments I (3)**

3 hours. Prerequisite: FINA 30153 with a grade of at least C-, and must be a declared Business major or Finance minor. 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 30223 - Financial Modeling (3)**

Prerequisites: Must be a Business major or Finance minor with C- or above in FINA 30213. The objective of this course is to increase students' ability to formulate and solve real-world financial problems using standard tools from the financial industry, particularly Excel and VBA.

#### **FINA 30233 - Investments II (3)**

3 hours. Prerequisites: FINA 30153, 30203, and 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)**

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)**

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)**

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 (3)**

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 (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 30223 - Financial Modeling (3)**

Prerequisites: Must be a business major with C- or above in FINA 30213. The objective of this course is to increase students' ability to formulate and solve real-world financial problems using standard tools from the financial industry, particularly Excel and VBA.

#### **FINA 40030 - Senior Honors Research Paper (1-3)**

1-3 hours. Prerequisite: Must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member. May be taken for up to three hours credit.

#### **FINA 40033 - Senior Honors Research Paper (3)**

Prerequisite: Must be a Business major. Preparation for and completion 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)**

3 hours. Prerequisite: FINA 30153 and FINA 30203 and credit for, or concurrent enrollment in FINA 30233, and must be a Business major or Finance Minor. 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)**

3 hours. Prerequisite: FINA 30153 and FINA 30213, and must be a Business major or Finance minor. 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)**

3 hours. Prerequisite: FINA 30153 and FINA 30213, and must be a Business major or Finance minor. 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)**

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 (3)**

Prerequisites: FINA 30213, and must be a Business major or Finance minor. 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)**

3 hours. Prerequisite: 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)**

3 hours. Prerequisite: FINA 30153 with a grade of at least C- and must be a Business major or Finance minor, 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)**

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 Finance minor, 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 40703 - International Finance Study Abroad (3)**

3 hours. Prerequisites: Permission of instructor, and must be a business major or a finance minor. Finance minors who are not business majors must have completed or be concurrently enrolled in ECON 30223. The objective of the class is to expose students to different aspects of financial issues from an international perspective. The course provides the opportunity to study variations in business practices and experience distinct cultures in an international setting. Students will have the opportunity to experience topically relevant practices, for example by visiting local firms and interacting with business people in order to obtain a firsthand understanding of the impact of global influences.

#### **FINA 40970 - Special Problems in Finance (1.00-20.00)**

Prerequisite: Must be a business major. (1 - 6 semester hours) This course may be repeated for credit.

## FNRT - Fine Arts Interdisciplinary

### FNRT 20203 - Dance and Music: Living Art, Living Culture (3)

Students in this course will travel to Budapest, Prague and Vienna and gain information from direct experiences in the artistic disciplines of dance and music, through a lens of history and culture. This study abroad experience will introduce students to performance, creation, observation, and the development of the critical language of dance and music as they explore a range of perspectives that define the cultural and historical forces that impact the development of national identity. With this ability to integrate, they will situate themselves inside of these societies: living art, living culture.

### FNRT 20903 - Children, Creativity and the Fine Arts (3)

Prerequisite: Enrollment is restricted to majors and minors in the College of Education, the College of Fine Arts, Harris College of Nursing and Health Sciences, Child Development, and Psychology. Others may be admitted by the instructor on a case-by-case basis. This multidisciplinary course will provide TCU students 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 30903 - Art and Music in Hungary (3)

### FNRT 30990 - International Residential Study (1.00-20.00)

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.

### FNRT 40900 - Internship in Interdisciplinary Fine Arts (1.00-3.00)

Prerequisite: Permission of instructor. This course will provide hands-on professional experience in interdisciplinary fine arts fields. 1-3 hours. This course may be repeated for credit.

### FNRT 40970 - Special Problems (1.00-20.00)

Special Problems in Fine Arts

## FREN - French

### FREN 10153 - First Semester College French (3)

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 (3)

Prerequisite: FREN 10153 with a grade of C- or better, or permission. Continuation of FREN 10153.

### FREN 20053 - Third Semester College French (3)

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 (3)

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 20153 - French and Francophone Cultures in Translation (3)

Intensive study of a topic or theme in the cultural productions, politics, and structures of societies influenced by France. This course introduces students to the methods used within cultural, social, and literary studies, including the development of critical reading and writing skills for upper level seminars. No prerequisite. Course is taught in English translation and encourages students to think transnationally and to understand that significant relationships exist between and among countries beyond and independent of the United States. May be repeated for credit as topic changes.

### FREN 20990 - International Residential Study (1.00-20.00)

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 (3)

Junior Honors Seminar.

### FREN 30033 - Phonetics and Advanced Communication (3)

Prerequisite: FREN 20063, with grades of C- or better, or permission. An introduction to French phonology, this course focuses on developing advanced listening, comprehension, and pronunciation skills through the study of French phonetics and the International Phonetics Alphabet. Students will engage in performative tasks and projects based on media productions and plays to reach verbal and written competency. Not open to heritage or native speakers of French.

### FREN 30063 - Readings in Selected French Genres (3)

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 - Introduction to Composition (3)

Prerequisite: FREN 20063, with a grade of C- or better, or permission. This course introduces students to basic elements of style and academic writing in French. Students will learn to write short personal narratives, reviews, expository and persuasive essays, and critical analyses of literary and non-fiction texts. In addition, students will begin to explore the characteristics of writing for the Web.2.0 environment. Not open to native French speakers.

### FREN 30153 - French Culture and Civilization I (3)

Prerequisite: FREN 20063 with a grade of C- or better, or permission. Study of French history, art, geography, government and customs to the revolution of 1789. This course is not open to native speakers of French.

### FREN 30163 - French Culture and Civilization II (3)

Prerequisite: FREN 20063 with a grade of C- or better, or permission. Continuation of 30153 from the revolution of 1789 to the present day. This course is not open to native speakers of French.

### FREN 30173 - France Today: Citizenship, Identity, and Nationalism (3)

The course explores French and migrant culture from diverse perspectives. It incorporates readings and films about migration history, economies of labor, politics, identity, citizenship, and civic responsibilities.

### FREN 30176 - French Culture and Civilization: Study Abroad in France (6)

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 (3)

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 through the Media (3)

Prerequisite: FREN 20063 with a grade of C- or better, or permission. This course examines through the lens of the French media the main

currents of ideologies in today's French society with respect to politics, education, work, family, the question of a national identity, and the relationship between France and the Francophone world, particularly in North America. Open to Native Speakers and non-minors or majors with a demonstrated Intermediate to High proficiency in French.

**FREN 30990 - International Residential Study (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

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 37990 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (3)**

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 40123 - Seminar in French Studies (3)**

Prerequisites: FREN 30063 and 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 (3)**

Prerequisites: FREN 30063 and 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 40183 - Advanced Writing and Culture (3)**

Prerequisites: FREN 30063 and 30073 with a grade of C- or better, or permission. This capstone course extends the range of verbal communication and writing strategies, particularly focusing on developing persuasive communication skills. It emphasizes reviewing the fine grammar points and diversifying vocabulary through readings in key social issues (Social Justice, Community Engagement, sustainable Living, etc.) Furthermore, the students will complete a research project in an area of personal interest demonstrating their language proficiency and their understanding of the French and/or Francophone cultures.

**FREN 40970 - Directed Study (1.00-6.00)**

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

## FTDM-Film-Television-Digital-Media

**FTDM 10013 - TV Studies for Non-Majors (3)**

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 (3)**

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 requirement.

**FTDM 10073 - Media Adaptations (3)**

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 10113 - History of Broadcasting (3)**

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; the minimum acceptable grade is a 2.0 C-."

**FTDM 10123 - History of Film (3)**

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; the minimum acceptable grade is a 2.0 C-. FTDM 10053 may not substitute for this course."

**FTDM 10143 - Introduction to Film and Television Aesthetics (3)**

An overview of how motion pictures and television programs can be read and analyzed as complex aesthetic 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 2.0 C.

**FTDM 10433 - Freshman Seminar in Film, Television, and Digital Media (3)**

Topics may vary each time it is offered.

**FTDM 20113 - Pre-Production (3)**

Prerequisites: FTDM 10143. This course is designed to give students an overview of the production process, with the focus on pre-production planning. Students will learn how to acquire and develop a property, the basics of production financing, budgeting, scheduling, production and set management. Students will learn the role and responsibilities of jobs relating to film and television production, and the basic skills needed to perform those functions.

**FTDM 20213 - Basic Video Production (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 10123 or FTDM 21713; FTDM and Sports Broadcasting majors only. Students will learn the basics of video production, including principles of camera work, shot composition, audio techniques, and basic lighting concepts, through a series of lectures and labs. This class provides students with a foundation for advanced production classes.

**FTDM 20313 - Production (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20113; FTDM majors only. This course will build upon the skills learned in the pre-production course, introducing students to the practical skillset required to produce professional content relevant in today's industry. Students will explore multiple examples of production including narrative film and television, non-fiction film and digital marketing content. Students will also be introduced to the principles of post-production, in preparation for the next course in the production sequence. Students will shoot and edit

individual and collaborative projects, working to create professional material to include in their portfolio.

**FTDM 20510 - Radio Broadcasting on KTCU (1.00-3.00)**

Prerequisites: FTDM majors only: a 2.0 C grade or higher in FTDM 10123 and permission of the department. JOUR majors: permission of department. Open to FTDM and JOUR majors only. (maximum 3 semester hours; 1-3 semester hours per semester.) Students will study basic radio station operations, including announcing, writing for radio, basic audio production, programming fundamentals, and promotions. The class includes 9 hours of on-air lab work, per weeks, at KTCU FM 88.7 (this could include some nights and weekends). Hours of lab TBD.

**FTDM 20523 - Business of Media (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 10113; FTDM majors and Sports Broadcasting 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 20990 - International Residential Study (1.00-20.00)**

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 21113 - Sports Broadcasting (3)**

Prerequisites: FTDM and Sports Broadcasting Majors only. 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. This course is a foundation course for students majoring in sports broadcasting.

**FTDM 21213 - Video Production for Sports (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 21713 and Sports Broadcasting majors only. Students will learn the basics of sports video production, including principles of single-camera production and basic sports post-production techniques through a series of lectures and labs. This class provides students with a foundation for advanced production classes.

**FTDM 21513 - Sports Radio (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 21113; Sports Broadcasting majors only. This class is designed to give students practical experience working in a radio station sports department. Students will produce a variety of TCU sports, cut promos, live-sports updates and pre- and postgame shows on KTCU-FM.

**FTDM 21713 - Introduction to Remote Sports Production (3)**

Prerequisites: FTDM or Sports Broadcasting majors only. This course teaches students the basic skills and techniques necessary to work in the sports production business. Students will serve as crew on TCU sports broadcasts. This course provides hands-on learning opportunities for students and serves as a primer for progression in the major.

**FTDM 30003 - Honors Tutorial (3)**

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 30103 - Media Analysis (3)**

Prerequisites: A 2.0 C or higher in FTDM 10143; Open to majors in FTDM and Cinema and Media Studies and to Film and Media Studies minors. 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 30153 - Dramatic Style and Structure (3)**

Prerequisite: A 2.0 C grade or higher in FTDM 10123; By reading and viewing plays and screenplays of various eras and genres, students will learn to identify the structural components of narrative drama and to analyze their usage in a variety of works, providing them with tools to more effectively write and direct original screenplays.

**FTDM 30203 - Audio Theory and Practice (3)**

Prerequisite: A 2.0 C grade in FTDM 10123 and 20213, or in 20313. Advanced audio production and editing. Sound design for film and television. Multitrack music recording and mastering. Field recording and sound-effect production. Foley sound, editing for voice acting and dialog replacement.

**FTDM 30213 - Advanced Video Production (3)**

Prerequisites: A 2.0 C or higher in FTDM 20213 or in 20313. This course focuses on advanced production work for narrative dramatic projects. Students will create and execute single-camera productions designed to give them hands-on experience and build on the skill set learned in other production classes. The course culminates with students producing productions that may be entered into video festivals. These projects will allow students to use equipment such as SteadyCams, Micro Dollies, Jibs, Green Screen, etc.

**FTDM 30223 - Cinematography (3)**

Prerequisite: A 2.0 C or higher in FTDM 20213 or 20313. An extensive exploration of the tools and techniques used by the cinematographer. Lectures will cover the evolving technologies of film and HD filmmaking with an emphasis on filmospace, visual language, lens language, camera dynamics, cinematic continuity, exposure, the tools of lighting, color theory and lighting as storytelling. Weekly labs will include lighting workshops in the studio with emphasis on single camera film production. Students will work on individual projects culminating with a film production.

**FTDM 30243 - Directing (3)**

Prerequisite: A 2.0 C or higher in FTDM 10123 and 20213, or in 20313. This course focuses on the role of the director in film and television. Students learn to breakdown scripts, block actors and camera, develop characters, work with actors to get a performance, and oversee the various department heads involved with film and television production.

**FTDM 30313 - Post-Production (3)**

Prerequisites: A 2.0 C or higher in FTDM 10123 and 20213, or in 20313. Working with AVID and Final Cut Studio non-linear editing software, students will edit commercials, narrative films, and take projects through the on-line process of color correction, special effects, and exporting the project to its final distribution form.

**FTDM 30353 - Theory and Practice of Film Acting (3)**

Prerequisites: A 2.0 C" or higher in FTDM 10123. 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 30393 - Motion Graphics: Special Effects (3)**

Prerequisites: A 2.0 C or higher in FTDM 30313 or 40333. 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 and Television Genres (3)**

Prerequisites: A 2.0 C or higher grade in FTDM 20583 or FTDM 30103. This course examines one or more film and/or TV genres, considering how we define genres, how genres have developed in relation to changes in the film and TV industries, and how audiences have responded to different genres. Selection of genres varies by semester, can be repeated with another topic. (6 semester hours maximum; 3 hours per semester)

**FTDM 30433 - American Cinema (3)**

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 (3)**

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 30463 - Media Decades (3)**

Prerequisites: A 2.0 C or higher in FTDM 20583 or FTDM 30103. This course examines media texts in their historical and cultural contexts, considering how film, TV shows, and other media both reflect and affect the time and place in which they are made. Each decade can only be taken once. (6 semester hours maximum; 3 hours per semester.) May be repeated for credit under different decades.

**FTDM 30473 - History in the Movies (3)**

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 30483 - Media Authorship (3)**

Prerequisites: A 2.0 C or higher in FTDM 20583 or FTDM 30103. In this course, students will study the concept of authorship in media production, which is always in essence a collaborative endeavor. In this course, students will identify individual creative vision by viewing film and/or TV texts and how authorship has been seen historically in the media industries and by audiences.

**FTDM 30510 - Radio Programming, Promotions, and Advanced Operations on KTCU (1.00-3.00)**

Prerequisites: A 2.0 C grade or higher in FTDM 20510 and permission of instructor. FTDM majors only. (maximum 6 semester hours; 3 hours maximum per semester.) Practicum in operations of a radio stations. Students will do more advanced audio production, organize and conduct promotions, and may also serve in management roles in programming, music, news, and/or sports. The class included 9 hours of lab work per week, at KTCU FM 88.7 (this could include some nights and weekends). Hours of lab TBD.

**FTDM 30513 - Audience Research (3)**

Prerequisites: A 2.0 "C" or higher grade in FTDM 20523; FTDM and Sports Broadcasting majors only. Introduction to qualitative and quantitative research methodologies used to measure audiences in the media industries.

**FTDM 30523 - Media Marketing and Promotions (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20523; FTDM and Sports Broadcasting majors only. JOUR majors need JOUR 20313 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 - TV Programming (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20523; FTDM and Sports Broadcasting majors only. Historical overview of TV programming trends. Current program practices and strategies in cable, satellite, internet, and mobile television media.

**FTDM 30593 - Television, Culture and Society (3)**

Prerequisite: A 2.0 C or higher grade in FTDM 20583 or FTDM 30103. Explores 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 30613 - Media Franchising and Branding (3)**

Prerequisites: A 2.0 grade or higher in FTDM 20523; FTDM and Sports Broadcasting majors only. In this course, we will take an in-depth examination of film and television franchises--how they are created and established, maintained, and propagated. Through our readings and discussions, we will explore the definitions of the terms "branding; and "franchise" and what they mean within the contemporary media landscape.

**FTDM 30643 - British Cinema and European Culture (3)**

Prerequisite: A 2.0 C or higher in FTDM 10143, 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 (3)**

Prerequisites: A 2.0 C or higher in 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 30813 - TV Number Ones (3)**

Prerequisites: A 2.0 C or higher grade in FTDM 20523. A comprehensive examination of television series that were ranked number one in the Nielsen ratings for one or more TV seasons between 1950 and the present, with a focus on the significance of these series and their impact on the television industry.

**FTDM 30823 - Digital Distribution (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20523; FTDM and Sports Broadcasting majors only. This class will examine issues related to the digital delivery of content. Through readings and discussions, this class will explore digital distribution practices and how they function in the contemporary media landscape.

**FTDM 30860 - Internship in Film, Television, and Digital Media (1.00-3.00)**

Prerequisites: FTDM and Sports Broadcasting majors only. Permission of department is required. Students must have completed 21 hours of FTDM courses including FTDM 20523 or FTDM 21113 with a 2.0 C or higher grade, and at least one of the following courses (with a 2.0 C or higher): FTDM 20213, 20313, 21213, 21713, 30313 or 40333. Supervised study, experience, and on-the-job training in a media-related organization. May only be taken on a pass-no credit basis. This course is required for Sports Broadcasting majors. FTDM majors or minors may use this class as an elective only (1-6 semester hours, 3 hours maximum per semester.) (This course is only offered as P/NC.)

**FTDM 30983 - Women in Television and Film (3)**

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 (1.00-20.00)**

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 31713 - Remote Sports Production (3)**

Prerequisites: A 2.0 C or higher in FTDM 10113, 21113, and 21713; Sports Broadcasting majors only. This course gives the student practical hands-on experience in 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. This course is a foundation course for sports broadcasting majors.

**FTDM 31723 - Producing and Directing Live Sports (3)**

Prerequisites: A 2.0 C or higher in FTDM 21713 and 31713 or permission of instructor. Sports Broadcasting majors only. This course will prepare students as producers, directors, associate producers, assistant directors and time out coordinators for live television sports productions. Combining lecture and lab, students will learn all of the necessary skills needed to produce and direct live television sports productions. Students enrolled in this course will have the opportunity to produce and direct TCU sporting events that will air on ESPN Plus.

**FTDM 31733 - Audio Production for Sports: Television and Radio (3)**

Prerequisites: A 2.0 C or higher in FTDM 10113 and 21113; Sports Broadcasting majors only. Theory and application of audio for sports broadcasting. This class looks at the techniques for live sports television and radio. Includes microphone choice and placement, mixing techniques, IFB, and replay video monitor deployment. Labs include actual onsite broadcasts of sporting events (live to tape). This is not a play-by-play announcing course.

**FTDM 31990 - International Residential Study (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 34990 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (3)**

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 40153 - Dramatic Writing (3)**

Prerequisites: A 2.0 C or higher in FTDM 10123 and 30153. Building on the knowledge acquired in Dramatic Style and Structure, students will develop, create, write and revise original screenplays. Conducted as a workshop, all scripts are read aloud and critiqued by the class with the ultimate goal of developing a script suitable for production.

**FTDM 40210 - Topics in Production (3)**

Prerequisite: A 2.0 C or higher in FTDM 20213 or 20313; FTDM majors only. This course will focus on a particular production-related area not covered elsewhere in the curriculum. It provides a chance for students to pursue in-depth study in such areas as music, sound design, cinematography, post-production, production management, writing, directing, and others. Up to 6 semester hours, maximum of 3 hours per semester.

**FTDM 40223 - Entertainment Law and Finance (3)**

Prerequisite: A 2.0 C or higher in FTDM 20523. 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 (3)**

Prerequisites: A 2.0 "C" or higher in FTDM 10123 and 20213. Working with AVID and/or Final Cut Studio non-linear editing software, students will edit commercials, narrative films, and take projects through the on-line process of color correction, special effects, and exporting the project to its final distribution form.

**FTDM 40383 - Documentary Production (3)**

Prerequisites: A 2.0 C or higher in FTDM 20213 or 20313. Through an examination of documentary styles and journalistic techniques, students will produce, write, direct, and edit a documentary.

**FTDM 40440 - Topics in Film (3)**

Prerequisites: A 2.0 C or higher in FTDM 20583 or FTDM 30103. 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 (3)**

Prerequisite: A 2.0 C" or higher in FTDM 20523. 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 (3)**

Prerequisite: A 2.0 C" or higher 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 (3)**

Prerequisite: A 2.0 C or higher grade in FTDM 20523; FTDM and Sports Broadcasting 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 (1.00-3.00)**

Prerequisites: A 2.0 C" or higher in FTDM 20583 or FTDM 30103. 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 40623 - World Cinema (3)**

Prerequisite: A C or higher in FTDM 20583 or FTDM 30103. In this course, students will study the production, circulation, and styles of international films. (6 semester hours maximum; 3 hours per semester)

**FTDM 40643 - Media and Popular Culture (3)**

Prerequisites: A 2.0 C" or higher in FTDM 20583 or FTDM 30103. This course will examine noteworthy topics pertaining to popular culture as represented/communicated in two or more types of media."

**FTDM 40653 - Popular Music and the Recording Industry (3)**

This course explores how popular music functions as a significant media industry and source of culture in contemporary society and explores the technology that made music recording and distribution possible.

**FTDM 40663 - Contemporary Media (3)**

Prerequisites: A 2.0 C or higher in FTDM 20583 or FTDM 30103. Students in this course will examine current trends in various media forms, looking at the ways texts, the industry, and audiences intersect in contemporary practice. May be repeated for credit under different topics. (6 semester hours maximum; 3 hours per semester.)

**FTDM 40683 - Film Theory and Criticism (3)**

Prerequisite: A 2.0 C" or higher grade in FTDM 20583 or FTDM 30103. Survey of classical and contemporary film theories."

**FTDM 40773 - Media in Britain (3)**

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

**FTDM 40900 - Special Problems in Film, Television and Digital Media (1.00-6.00)**

Prerequisite: Junior standing; a 2.0 C grade or higher 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 (1)**

Prerequisite: By permission only. FTDM, Sports Broadcasting and Cinema and Media Studies majors only. Students must be in last semester of senior year. A review and synthesis of material covered in the FTDM, Sports Broadcasting and Cinema and Media Studies majors. This course is required for FTDM, Sports Broadcasting and Cinema and Media Study majors; the minimum acceptable grade is a 2.0 C." (1 semester hour)"

**FTDM 41113 - Sports Play-by-Play (3)**

Prerequisites: A 2.0 C or higher in FTDM 21113. This course is designed to give students an opportunity to put into practice play-by-play, color analyst, and sideline reporting skills that were taught in prior classes. The class gives students a chance to put pre-production, background research and interview skills into practice by calling games for television and radio broadcasts.

**FTDM 41333 - Post-Production for Sports (3)**

Prerequisites: A 2.0 C or higher in FTDM 21213. This course examines the principles and techniques of non-linear editing for use in sports.



Students will spend time on the department's non-linear editing systems. The course will explore the theory and practice of sports editing, and use examples ranging from long form documentaries to sports highlight shows.

### **FTDM 41383 - Sports Documentary Production (3)**

Prerequisites: A 2.0 C or higher in FTDM 20213 or 21213; Sports Broadcasting majors only. Students in the course will explore the theory and practice documentary production for the sports broadcasting industry. Students will examine different forms of documentary storytelling, ranging from Ken Burn's Baseball to NFL films. Students will also research and create documentaries that may be aired.

### **FTDM 41580 - Topics in Sports Media (3)**

Prerequisites: A 2.0 C" or higher in FTDM 21113 or permission of instructor. An in-depth examination of selected issues relating to the sports media industry. (6 semester hours maximum; 3 hours per semester)"

### **FTDM 41713 - Global Sports Media (3)**

Prerequisites: A 2.0 C or higher in FTDM 21113 and 20523; Sports Broadcasting majors only. This course will examine legal issues, rights fees, and problems associated with producing an event overseas. Students will examine what is needed to produce sports events internationally, such as the Olympics, World Cup Soccer, Skiing, Sailing, and Golf, and how television networks overcome the problems associated with international broadcasting.

### **FTDM 45113 - Producing (3)**

Prerequisites: A 2.0 C or higher 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 48933 - Schieffer Associates (3)**

Prerequisites: Preference is given to juniors and seniors. Permission of instructor and/or department chair. This course develops the student's ability to analyze, establish and execute external and internal communication goals, strategies and tactics for a client. Students use research, discussion, peer evaluation and instructor assessment to produce creative and effective solutions to marketing and promotion challenges. The course places students in the role of communication professionals working with the Bob Schieffer College of Communication and other TCU academic units and organizations as their clients.

### **FTDM 49003 - Capstone Project (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20583 or 30103; Cinema and Media Studies majors only. A capstone course in which Cinema and Media studies majors produce a comprehensive research project that utilizes relevant film, media, and/or cultural theories to guide the process of in-depth media analysis.

### **FTDM 50400 - Advanced Studies in Radio, Television, and Film (3.00-6.00)**

Prerequisites: Senior or graduate standing. Seminar in radio, television, and film. 3-6 semester hours; maximum 3 semester hours per semester.

### **FTDM 50970 - Special Problems in Film, Television and Digital Media (1.00-6.00)**

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)

## **GEOG - Geography**

### **GEOG 10003 - World Regional Geography (3)**

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 10013 - Physical Geography (3)**

This course examines the processes that shape our environment and the resulting patterns of landforms, biomes, climates, and water resources. Students will analyze interactions among dynamic systems in the lithosphere, hydrosphere, atmosphere, and biosphere using basic scientific principles and methods, with an emphasis on spatial relationships. Students will also consider the relationship between

humans and the environment, including the distribution of resources and adaptation to and modification of environments. The course will be lecture with integrated lab.

### **GEOG 10023 - An Urban World: Introduction to Urban Studies (3)**

This course introduces students to the field of urban studies in global context. Major urban themes covered in the class include urban form; neighborhood change; real estate; environmental management; race and immigration; suburbanization; migration and slums; and cities within the global economy. These themes are explored through case studies of major cities around the world.

### **GEOG 20013 - Human Geography (3)**

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 (1.00-20.00)**

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 30003 - Junior Honors in Geography (3)**

Prerequisite: Permission of instructor. For geography majors who are Honors students as well as other students with overall GPAs at or above 3.5, who are willing to join the Honors College. Permission by a geography faculty member required. Directed study course for students who intend to complete a Seniors Honors Thesis research paper or equivalent creative project in a selected area of geography.

### **GEOG 30313 - Introduction to Geographic Information Systems (3)**

This course is an introduction to Geographic Information Systems (GIS), with a focus on both the conceptual foundations and applications of GIS software. Topics covered include spatial data models; cartographic design; coordinate systems and map projections; address geocoding and GPS data; spatial analysis; Internet GIS applications; and GIS modeling. Laboratory assignments give students experience using GIS in thematic areas such as demographic analysis, market research, and urban environmental change.

### **GEOG 30323 - Data Analysis and Visualization (3)**

Data literacy is essential to success in many professional fields. In this course, students will gain experience acquiring, manipulating, and analyzing data; and will learn how to effectively communicate their findings with static and interactive visualizations. Students will learn how to work with data using the Python programming language, one of the most popular tools for performing data analysis.

### **GEOG 30503 - Topics in Regional Geography (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 30733 - Geography of Religion (3)**

The Geography of Religion is the study of religion from the spatial perspective, utilizing the five themes of cultural geography: region, diffusion, culture-environment interaction, landscapes, and integration. Our most important topics cover the relationship between physical geography and religion, and from this context we will analyze religions, past and present.

**GEOG 30743 - Applied Geography (3)**

Problem-solving by application of geographic concepts, methodologies, and techniques. Examples are drawn from physical and human geography.

**GEOG 30753 - Population Geography (3)**

In this course, students engage with contemporary debates around world population growth and change. Course topics include demographic data and methods; the history and future of world population growth; fertility and population control in the developing world; aging in the developed world; global trends in mortality and disease; internal migration and immigration; and population, climate change, and environmental sustainability.

**GEOG 30763 - Economic Geography (3)**

Economic Geography is the study of how elements within the economy are spatially arranged, as well as the ways that space, place and spatial scales shape economic activities in different parts of the world. Through a series of readings, discussions, and research assignments, this course examines the distribution of economic activities on the earth's surface; market resource and transportation factors in location theory, and the role of state, market and civil society's agents in management of the economy. Students are further introduced to Geographic Information Systems (GIS) through content-focused lab assignments, though no previous experience with GIS is required for this course.

**GEOG 30773 - Geography of Beer and Wine (3)**

This course uses beer (and wine) as a lens to examine the intersections of historical, environmental, cultural, legal, and economic geography. Students are introduced to the major systematic fields of Geographic inquiry: Historical Geography, Cultural Geography, Economic Geography, etc through focused lessons examining the role of beer production in the establishment of historical civilizations, how climate change affects barley and hop production, and the locational characteristics required for a brewery or brewpub to be successful.

**GEOG 30793 - Sports, Geography, & Society (3)**

This course covers the study of sport through the lens of social science. It introduces students to social scientific theory and analytic methods in the context of historical and contemporary sports topics. Course topics include sports and cultural geography; sports and nationalism; race, gender, politics, and sports; sports business and economics; and sports analytics.

**GEOG 30803 - Topics in Environmental Geography (3)**

This course number will be used for trial runs of upper-division environmentally-focused Geography courses. All the classes will develop student's understanding of Environmental Geography and Human-Environment Interactions. May be repeated for credit as course topic changes.

**GEOG 30813 - Environment and Society (3)**

This course examines relationships between people and the environment from multiple perspectives, providing a context for thinking about the causes and consequences of environmental change and their spatial patterns around the world. Of particular interest are the cultural, ethical, economic, technological, and population considerations that make humans want to use, protect, destroy, or adapt to environmental systems and their components. This course will also address the function of specific environmental systems themselves, including how they influence and respond to human actions.

**GEOG 30823 - Nuclear Geographies (3)**

In this course, we will examine the spatial dimensions of highly contentious issues surrounding nuclear technologies, including power generation, weapons, and medicine. We will approach each of these issues through the perspectives offered by several subdisciplines within Geography, especially Environmental, Economic, Political, and Cultural Geography.

**GEOG 30970 - Topical Studies in Geography (1.00-20.00)**

Topical studies in Geography.

**GEOG 30990 - International Residential Study (1.00-20.00)**

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 40003 - Senior Honors in Geography (3)**

Prerequisites: GEOG 30003 or permission of instructor. A senior Honors Thesis research paper or equivalent creative project, under faculty direction, in a selected area of geography.

**GEOG 40010 - Field Studies in Geography (1.00-6.00)**

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 40020 - Geography Internship (1.00-3.00)**

Prerequisites: GEOG 30313 or equivalent training with instructor's approval. This course is only open to Geography majors. The purpose of this course is to supplement the internship experience of geography majors through written reflection, periodic conversation with a supervising professor, and exploration of connections between concepts in GIS and practices of GIS in different disciplines. Students may take this course a maximum of two times to earn up to 6 total credit hours. A maximum of 3 credit hours can be applied towards the Geography major. The remaining credit hours can be applied to the student's overall degree as general elective credits.

**GEOG 40303 - Topics in Geospatial Technology (3)**

Prerequisites: GEOG 30313 or with instructor permission. This course number will be used for trial runs of upper-division technically-focused Geography courses. All the classes will develop student's technical mapping and analysis skills using Geographic Information Systems software and/or statistical programs such as R or Python. May be repeated for credit provided the technical and/or topical focus changes.

**GEOG 40313 - Advanced Geographic Information Systems (3)**

Prerequisites: GEOG 30313, or instructor consent. In this course, students gain experience with advanced applications of Geographic Information Systems (GIS) software. Topics covered include GIS modeling; web GIS applications and distributed GIS services; open-source GIS; developing geoprocessing scripts using the Python programming language; and the current state of the GIS profession. Students will also complete a semester-long course project in which they apply GIS techniques to a topic of their interest.

**GEOG 40323 - Urban and Business Applications of Geographic Information Systems (3)**

Prerequisites: GEOG 30313; another introductory GIS course; or instructor consent. This advanced GIS course gives students experience applying GIS to solve real-world urban and business problems. Topics covered include demographic analysis; remote sensing of urban areas; network analysis; 3D urban modeling; spatial statistics; time and GIS; geodemographic classification; market area analysis; and web GIS

services. Students will also complete a semester-long group project that applies GIS to assist an organization or business in the Fort Worth area.

### **GEOG 40333 - Digital Cartography (3)**

Prerequisites: GEOG 30313 or with instructor permission. Cartography refers to the art and science of map-making. Contemporary cartography is primarily accomplished using digital technologies including Geographic Information Systems (GIS). Mapping is crucial to exploring and understanding distributions of geographic phenomena. It is also an important phase of many database-intensive analyses, because a map is often the best way to visualize results and show them to others. Our emphases in this course will be on designing and producing both thematic and reference maps at multiple scales using symbols and visual hierarchies that allow the content of the maps to be effectively communicated and presented in aesthetically-pleasing and/or engaging ways. Topics covered include: significant eras in cartographic design, key historical and contemporary cartographers, map projections, symbolizing quantitative data, use of space, layout, compilation, verbal content, and the use of computer technology in the design and production of maps.

### **GEOG 50970 - Special Studies in Geography (1.00-20.00)**

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.

## **GEOL - Geology**

### **GEOL 10113 - Understanding the Earth (3)**

Two hours lecture and two hours of laboratory per week. A study of the physical environment of the planet Earth, its makeup, the processes that mold its surface features and an introduction to the resources that it provides.

### **GEOL 10433 - The Abyss of Time: Freshman Seminar in Geology (3)**

Freshman Seminar in Geology.

### **GEOL 20111 - Introduction to the Geological Sciences (1)**

Prerequisites: GEOL 10113 should be completed or in progress. All students who are new geology majors must take this course. All new geology majors will be introduced to the Geology Faculty, their areas of research and teaching, and the expectations of the Faculty. Majors will also be introduced to the department, its facilities, expectations for field trips and work, and information on careers and areas of the geosciences.

### **GEOL 20113 - Introduction Earth System Science (3)**

Introductory level course, with integrated lecture and laboratory experience, focusing on Earth as a system of interacting spheres. The course will cover interactions between Earth's biosphere (including people), geosphere, hydrosphere, atmosphere and consequences for current and future population, life expectancy, food, climate, water availability and water quality. Emphasis is placed on how basic scientific knowledge and readily available data can be used in understanding Earth Systems.

### **GEOL 20213 - Our Geological Legacy (3)**

Prerequisite: GEOL 10113. Three hours 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 (1.00-20.00)**

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 (3)**

Reading assignments and discussions on topics of great importance in geology.

### **GEOL 30103 - Science and Society (3)**

This three-credit hour lecture course will examine the connections between science and modern society. This will be accomplished by

investing the role of science (particularly geoscience) in education and communication, and how scientific misconceptions influence public perception and understanding of modern socioscientific issues such as dwindling freshwater resources and climate change.

### **GEOL 30112 - Geoscience Education Communication (2)**

Prerequisites: 'C-' or better in GEOL 10113 and GEOL 20113. This 2.0 credit hour course is designed to introduce students to the field of geoscience education. This course will cover the nature of geoscience education, and the need for geoscience education specialists. Specifically, students will define geoscience education within the context of other science disciplines, examine how geoscientists think about learning, how students learn in geoscience classrooms, and investigate the role of geoscience education toward addressing modern socioscientific issues.

### **GEOL 30113 - Weather and Climate (3)**

Three hours 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. (Crosslisted as ENSC/GEOL 30113)

### **GEOL 30123 - Dinosaurs and Their World (3)**

Three hours 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 (3)**

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 (3)**

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 (3)**

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 30163 - Evolution and Exploration of the Solar System (3)**

Prerequisites: GEOL 10113, or any one of PHYS 10164/10263/10273, or permission of instructor. Three hours of lectures per week. This course will launch you into space with past and present spacecraft missions and bring you back to Earth with meteorite research. Throughout the semester, this course will examine the geology and geologic processes occurring on and within planetary bodies throughout the Solar System. This course is intended for science and non-science majors. (Crosslisted as GEOL/PHYS 30163.)

### **GEOL 30203 - Catastrophes, Controversies, Genesis and Geology (3)**

Three hours 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 (3)**

Prerequisite: GEOL 10113 and CHEM 10113. Two hours 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. Credit will not be granted for both GEOL 30213 and ENSC/GEOL 30443. (Crosslisted as ENSC/GEOL 30443)

**GEOL 30223 - Petrology (3)**

Prerequisite: GEOL 30213. Two hours 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 (3)**

Prerequisite: 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 (3)**

Prerequisite: GEOL 20111 or concurrent. Two hours 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 30363 - Introduction to Geospatial Technology (3)**

Introduction to the fundamentals of Geospatial Technologies, including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis through a series of hands-on computer-based exercises. Participants will learn how to utilize geospatial technology to address social and environmental issues. This course is designed to be used as a stand-alone course to complement other disciplines or as an entry level course into other GIS classes. (Crosslisted as ENSC/GEOL 30363.)

**GEOL 30403 - Field Experience (3)**

Prerequisites: Major field of study within the College of Science & Engineering with 60 hours of coursework completed. Two hours of lecture and one three-hour laboratory period per week. This is a field course with potentially lengthy hikes and difficult terrain. Field experience is considered essential for a degree in environmental science or geology and the course offers instruction in fundamental field skills. (Crosslisted as GEOL/ENSC 30403.)

**GEOL 30413 - Evolution of Plate Boundaries (3)**

Prerequisites: GEOL 10113, PHYS 10154 or PHYS 20474, GEOL 30213 or 30443. Two hours of lecture and three hours of lab per week. An introductory study of the evolution of plate boundaries focusing on the interconnectedness of plate tectonics, structural geology and earthquakes. Credit will not be given for both GEOL 30423 and 30413.

**GEOL 30423 - Structural Geology (3)**

Prerequisite: GEOL 10113, PHYS 10154, GEOL 30213 or 30443. Two hours lecture and one three hour laboratory period per week. An introductory study of the deformation of the Earth's crust. Field trips required. Credit will not be given for both GEOL 30423 and 30413.

**GEOL 30443 - Earth Materials (3)**

Prerequisites: GEOL 10113 or equivalent, and permission of instructor. This course examines the chemical and physical processes involved in producing minerals, soils and rocks on the earth. Students also learn how these materials are used in our society as well as the economic importance and environmental implications of their use. The class combines lecture and laboratory to provide the most complete experience for students. Credit will not be granted for both GEOL 30213 and ENSC/GEOL 30443. (Crosslisted as ENSC/GEOL 30443)

**GEOL 30573 - Stratigraphy (3)**

Prerequisite: GEOL 10113 and/or permission of the instructor. Three hours 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 (1.00-20.00)**

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 33990 - International Residential Study (1.00-20.00)**

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 40013 - Honors Research (3)**

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 40113 - Structural Geomechanics (3)**

Prerequisites: GEOL 30423. Designed for science majors who wish to gain in-depth knowledge of advanced structural geology processes by understanding the response of rocks to stress. The course focuses on geomechanical principles such as rock failure/behavior, rock strength, 3D stress and stress polygon, in situ stress, role of pore pressure, stress resolution on planes and reactivation of preexisting mechanical discontinuities. Particular emphasis is given to the determination of rock strength using micro mechanical tools and derivation of various petrophysical constraints from geophysical well logs.

**GEOL 40313 - Invertebrate Paleontology (3)**

Prerequisite: permission of the instructor. Two hours 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 40331 - Basic Seismics (1)**

Prerequisites: GEOL 30143, 30223, 30423. Three hours lecture per week for five weeks. An introduction to techniques of gathering, processing and interpreting seismic data.

**GEOL 40351 - Seismic Stratigraphy (1)**

Prerequisites: GEOL 40331 or equivalent. Three hours lecture per week for five weeks. An introduction to the principles of seismic stratigraphy and their application in oil and gas exploration.

**GEOL 40361 - Basic Well Log Interpretation (1)**

Prerequisite: GEOL 30243. Three hours lecture per week for five weeks. An introduction to the use of borehole geophysical logs in formation evaluation, correlation and subsurface facies analysis.

**GEOL 40393 - Soils in the Environment (3)**

Prerequisite: one year of chemistry, ENSC 10143, or permission of the instructor. Two hours 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 (3)**

Prerequisite: permission of the instructor. Two hours lecture and one three hour laboratory period per week. The construction and interpretation of geological maps.

**GEOL 40423 - Petroleum Engineering (3)**

Prerequisite: GEOL 50423. Petroleum engineering concepts and technology that are needed to find and produce oil and gas are discussed. This course focuses on drilling and production operations for non-engineers. Industry professionals will visit to discuss current technologies for producing hydrocarbon fluids.

**GEOL 40433 - Siliciclastic Sequence Stratigraphy (3)**

Prerequisites: GEOL 30243. This course introduces sequence stratigraphy within the context of all stratigraphy and overviews the history of sequence stratigraphy. It includes an overview of sequence stratigraphy principles and reviews basic fundamental concepts of surface- and facies-based physical stratigraphy. Included are reviews of architectural element analysis, sequence stratigraphy in seismic, borehole expression of sequences and overview of subsurface stratigraphic techniques.

**GEOL 40443 - Applied Reservoir Simulation (3)**

Prerequisites: ENGR 40223 or GEOL 40423. Oil and gas are essential sources of energy in the modern world. They are found in subsurface reservoirs in many challenging environments. Modern reservoir simulators are computer programs that are designed to model fluid flow in reservoirs. Applied reservoir simulation is the use of computer programs to help understand and forecast the performance of oil and gas problems. (Crosslisted as ENGR 40223/GEOL 40443.)

**GEOL 40453 - Fundamentals of Subsurface Geology (3)**

Prerequisites: GEOL 10113, 30243 or 30423. Two hours lecture and one two-hour laboratory period per week. This course covers fundamental aspects of subsurface geology, including: 1) principles of the geophysical well logging and seismology, 2) common geophysical data processing and interpretation, and 3) different exploration methods of subsurface geology. Some common software packages used in the Environmental and Energy industries will be introduced and used over the semester.

**GEOL 40493 - Geomorphology (3)**

Prerequisite: permission of the instructor. Two hours lecture and one two hour laboratory per week. Endogenic and exogenic processes and land forms; geologic control; short-term, long term and human-imposed landscape development; morphometric analysis and study of recent movements; environmental geomorphology. (Crosslisted as ENSC/GEOL 40493)

**GEOL 40516 - Summer Field Course in Geology (6)**

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 40892 - Senior Thesis (2)**

Prerequisites: junior or senior status and/or permission of instructor. Two hours independent study with a focus on original research. Students are strongly recommended to enroll for this course in the penultimate semester of their degree plan.

**GEOL 40893 - Senior Thesis (3)**

Prerequisites: junior or senior status, a grade point of at least 3.00, and/or permission of instructor. Two hours independent study with a focus on original research. Students are strongly recommended to enroll for this course in the penultimate semester of their degree plan.

**GEOL 40970 - Special Problems (1.00-6.00)**

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 50213 - Environmental Geology (3)**

Prerequisite: Permission of 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. (Crosslisted as ENSC/GEOL 50213)

**GEOL 50233 - Optical Mineralogy and Petrography (3)**

Prerequisite: Permission of instructor. Two hours 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 (1)**

Prerequisite: Permission of instructor. Use of the S.E.M. in geological applications.

**GEOL 50341 - Interpreting Seismic Data (1)**

Prerequisite: GEOL 30243. Three hours laboratory per week for five weeks. A practicum in interpreting seismic data. Prerequisites: GEOL 50331 or equivalent.

**GEOL 50413 - Global Tectonics and Basin Analysis (3)**

Prerequisite: Permission of instructor. Three hours lecture per week. Explores the relationship between plate motion and the evolution of sedimentary basins.

**GEOL 50423 - Petroleum Geology (3)**

Prerequisite: Permission of instructor. Origin, migration and entrapment of hydrocarbons, exploration and production techniques used in the petroleum industry.

**GEOL 50443 - Natural Hazards and Disasters (3)**

Prerequisites: GEOL 10113 or permission of the instructor. The course is designed to give an overview of the various types of natural hazards/disasters including earthquakes, tsunamis, volcanoes, floods, landslides, hurricanes, tornadoes, and wildfires; the fundamental Earth

surface and subsurface processes that trigger natural disasters, and the possible influences of human activity in exacerbating their effects.

**GEOL 50493 - Physical Hydrology (3)**

Prerequisite GEOL 10113 and permission of instructor. Two hours 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. (Crosslisted as ENSC/GEOL 50493)

**GEOL 50523 - Introduction to Geographic Information Systems (3)**

Prerequisites: GEOL/ENSC 30363. Basic introduction to Geographic Information Systems using ESRI-ArcGIS. Elements of spatial data, mapping, data representation, and geodatabases. Training in use of a GIS system to infer relationships among spatial features. (Crosslisted as ENSC/GEOL 50523.)

**GEOL 50543 - Sedimentary Environments and Facies (3)**

Prerequisite: Permission of instructor. Three hours 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 (3)**

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 - Energy and Natural Resources (3)**

Prerequisite: GEOL 10113 or equivalent. A broad overview of the natural resources utilized for energy, and the geologic, engineering and business sides of the energy 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, including how geologists decide where to drill, the study of drilling and completion operations, the technology required to produce oil and gas, and carbon sequestration. Students will also be acquainted with the natural resources and environmental issues associated with the generation of electricity, including coal, geothermal, biomass, uranium, tidal, hydroelectricity, and the rare earth elements required for renewable energy.

**GEOL 50573 - Geology of Texas (3)**

Prerequisites: GEOL 30243. This course is an overview of the stratigraphy and petroleum geology of Texas and the adjacent Gulf of Mexico. The course will focus on the relationship between plate tectonics, eustasy, basin formation, and stratigraphy, and how the interplay between them generated some of the largest accumulations of hydrocarbons on the planet. The course will also use Texas examples to discuss concepts of petroleum geology.

**GEOL 50593 - Environmental Modeling (3)**

Prerequisite: Permission of instructor. This course will cover physical and empirical models and their applications in areas such as hydrology, wildlife, ecology, and human health. Class consists of 2 hours lecture, and 2 hours hands-on computer modeling laboratory. (Crosslisted as ENSC/GEOL 50593)

**GEOL 50603 - Introduction to Geochemistry (3)**

Prerequisite: CHEM 10114 and 10124 or permission of instructor. Three hours 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 (3)**

Prerequisite: GEOL 50233, or permission of instructor. Two hours 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 (3)**

Prerequisite: GEOL 50233, or permission of instructor. Two hours 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 50633 - Geochemical Analysis (3)**

Prerequisite: CHEM 10113 or equivalent. Project-based, integrated laboratory course covering instrumentation, data acquisition, data analysis and data presentation techniques used in the chemical investigations of geological and related systems including rocks, aquifers, streams and soils. (Crosslisted as ENSC/GEOL 50633)

**GEOL 50713 - Environmental Geology (3)**

Prerequisite: Permission of 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 50731 - RemoteSensing Technology (1)**

Prerequisite: Permission of instructor. Three hours 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 (1)**

Prerequisite: Permission of instructor. Three hours 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 (1)**

Prerequisite: Permission of instructor. Three hours lecture per week for five weeks. Geologic and resource mapping and environmental monitoring using satellite images.

**GEOL 50763 - Groundwater Hydrology (3)**

Prerequisites: GEOL 30443 and major field of study within the College of Science & Engineering with 60 earned hours, or graduate enrollment, 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. (Crosslisted as ENSC/GEOL 50763.)

**GEOL 50773 - Introduction to Environmental Law (3)**

Prerequisites: Major field of study within the College of Science & Engineering with 60 earned hours; or graduate enrollment. Students will be introduced to and will analyze selected federal statutes governing environmental remediation, discharge of pollution, and management of wastes, including the Comprehensive Environmental Response Compensation and Liability Act, the Resource Conservation and Recovery Act, the Clean Water Act, the Clean Air Act, the Endangered Species Act, and others, including the common law (nuisance, trespass, negligence.) Students will be introduced to the American legal system and the role of experts in lawsuits. Students will read and discuss in class statutes, case law, and related materials. (Crosslisted as ENSC/GEOL 50773.)

**GEOL 50783 - Environmental Chemistry (3)**

Prerequisites: CHEM 10123 and 10122 or 10125 or 20123 or permission of instructor. Three hours 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. (Crosslisted as CHEM/ENSC/GEOL 50783.)

**GEOL 50813 - Meteorites, Asteroids, and Planets (3)**

Prerequisite: GEOL 30213 or PHYS 30493, or permission of instructor. Three hours of lectures per week. An interdisciplinary course exploring the history and formation of the Solar System from the Big Bang through the formation and evolution of the planets. (Crosslisted as GEOL/PHYS 50813.)

**GEOL 50863 - Spatial Analysis (3)**

Prerequisites: MATH 10043 or equivalent, ENSC/GEOL 30363, and ENSC/GEOL 50523, or permission of instructor. Further development of GIS skills to include 3D data modeling, image analysis using Remote Sensing data, advanced GPS mapping, geoprocessing to infer relationships between spatial features, spatial statistics, model building and good cartographic design. (Crosslisted as ENSC/GEOL 50863.)

**GEOL 50873 - Environmental Remote Sensing (3)**

Prerequisites: Seniors and graduate students who have taken any of the following courses: GEOL(ENSC) 30363, GEOL 50731, 50523, 50863, 50883, 50713 or permission of instructor. This course introduces

students to fundamental principles and concepts of remote sensing and explores the applications of remote sensing datasets and techniques in geological and environmental sciences. Hands-on exercises on the applications of remote sensing techniques in geological and environmental sciences are key components of the course. The hands-on exercises are mainly based on data from local or international case studies or collected by students in the field (e.g. using Unmanned Aerial Systems (UAS)). Digital image processing techniques/software including ENVI as well as Synthetic Aperture Radar (SAR) processing software such as SNAP will be used for data analysis and interpretation. Crosslisted as GEOL/ENSC 50873.

**GEOL 50883 - Applied GIS (3)**

Prerequisites: ENSC/GEOL 50523 and ENSC/GEOL 50863, or permission of instructor. Independent work in specially designed projects not covered by regular course offerings for students to continue to advance their basic GIS skills. The student is required to do independent research on a GIS problem, submit a paper with associated maps and give an oral presentation of the findings. A GIS faculty supervisor will be appointed for each research problem. (Crosslisted as ENSC/GEOL 50883.)

**GEOL 50901 - Introduction to Computer Applications in Geology (1)**

Prerequisites: Graduate or Junior/Senior standing in Geology or Environmental Sciences and permission of instructor. Three hours lecture per week for five weeks. The use of microcomputers in earth sciences.

**GEOL 50912 - Geological Statistics (2)**

Prerequisite: GEOL 50901. Three hours 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 - Digital Cartography (2)**

Prerequisite: GEOL 50901. Three hours lecture per week for ten weeks. Selecting and using mapping and drafting software.

**GEOL 50963 - GIS Internship (3)**

Prerequisites: 2.75 GPA in major, completion of at least 6 hours of approved GIS courses and permission of instructor. Practical experience working in the GIS field. Must include a minimum of 260 work hours in approved practical experience situation with an organization or company approved by instructor. A weekly work journal is required for this course. This course is only offered on a P/NC basis. (Crosslisted as ENSC/GEOL 50963.)

## GREE - Greek

**GREE 10053 - First Semester College Greek (Hellenistic) (3)**

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) (3)**

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) (3)**

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) (3)**

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 (1.00-20.00)**

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 (1.00-20.00)**

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 (1.00-6.00)**

Prerequisite: permission of instructor. Opportunity for independent study of Hellenistic text. (1-6 semester hours.)

## **GRMN - German**

### **GRMN 10153 - Beginning German I (3)**

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 (3)**

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 20053 - Beginning German III (3)**

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 (3)**

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 (3)**

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 20133 - Berlin: A city in Film (3)**

On the basis of films set in Berlin, this course surveys controversies in modern German culture from 1871 to the present. Especially recommended to students planning to attend the summer study abroad program, one week of which is spent in Berlin. Taught in English.

### **GRMN 20973 - Honors: The Afterlife of the Classical Greek Tradition (3)**

Prerequisites: Must be in Honors Program. 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 (3)**

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 (1.00-20.00)**

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 30003 - Junior Honors Seminar (3)**

Junior Honors Seminar

### **GRMN 30013 - German Literature in Translation (3)**

This course explores the German-language literary tradition with a focus on building critical skills in literary interpretation. Course topics will vary. Taught in English.

### **GRMN 30053 - German Geography, Culture, and Language (3)**

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 (3)**

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 30073 - Contemporary German Culture (3)**

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 explores various aspects of 20th and 21st-century German culture, as well as the relation between language, society, and culture. All class discussion and assignments in German, providing advanced practice in grammar and usage.

### **GRMN 30183 - The Poetry and Music of the German Art Song (3)**

The Lure of the Lorelei: the Poetry and Music of German Art Song explores the geographical and cultural settings that inspired Goethe and Heine, two of Germany's greatest poets, and musical compositions based on their texts, as composed by Schubert, Schumann, Liszt, and others. Adjunct activities place the study in a broader cultural context.

### **GRMN 30990 - International Residential Study (1.00-20.00)**

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 37990 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 40003 - Senior Honors Research in German (3)**

Senior Honors Research in German.

### **GRMN 40023 - German Culture and Civilization (3)**

Prerequisite: GRMN 30053 or GRMN 30063 with grades of C- or better, or permission. This course addresses 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 40163 - Advanced Studies in Language and Culture (3)**

Prerequisites: GRMN 30053 and GRMN 30063, both with a grade of C- or better. This is an advanced proficiency course that builds on the reading, listening, speaking and writing skills acquired its two prerequisites, GRMN 30053 and GRMN 30063. As a means of

showcasing these competencies, the course includes a research project on an area of personal interest. The aim is to refine and elevate students' linguistic ability and cultural knowledge. This course is conducted entirely in German.

### **GRMN 40193 - Introduction to German Literature (3)**

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 (1.00-6.00)**

Prerequisite: Permission of instructor. 1-6 hours

## **HARE - Human-Animal Relationships**

### **HARE 30003 - Junior Honors Seminar in Human-Animal Relationships (3)**

Prerequisites: Dept permit. A directed study course open to Honors students who wish to research a topic related to human-animal relationships for their Honors thesis.

### **HARE 30403 - Perspectives on Human-Animal Relationships (3)**

This course examines topics and perspectives on human-animal relationships (HARE) from multiple disciplines within the humanities, social sciences, and natural sciences. We will explore the complex relationships between humans and other animals, past and present, including the socially constructed meanings of animals that shape animal/human interactions and relations within institutions and social, cultural, geographic and interactional contexts. We will consider many types of relationships between human and nonhuman animals, both beneficial and detrimental, as well as the trends that are impacting the future of animal/human relations on the planet.

### **HARE 40003 - Senior Honors Research Paper in Human-Animal Relationships (3)**

Prerequisites: Dept. permit. A directed study course open to Honors students to write up the research they conducted in HARE 30003 (Junior Honors Seminar) for their honors thesis.

## **HCHS - Harris College Health Sciences**

### **HCHS 10001 - Discover Your Path: Career Explorations in the Health Sciences (1)**

Prerequisites: Freshman or sophomore standing only, or with instructor permission. This course is designed as an exploratory career course for health sciences majors who are considering changing majors. Students will be provided career development tools and resources through career assessments, exploratory activities, and career planning to assist the student in making a thoughtful, career decision. Credit will not be awarded for both UNPR 10001 and HCHS 10001.

### **HCHS 10003 - Survey of Allied Health Professions (3)**

A survey of selected allied health professions and requirements for educational training and career opportunities. The market demands, career earning potential, and associated career opportunities in selected health careers will be selectively focused on in this course. The development and growth of allied health professions within the context of the United States healthcare system will be reviewed.

### **HCHS 20003 - Global Healthcare Systems (3)**

This course provides an overview of the healthcare delivery system in the United States in comparison to different systems of countries around the globe. The course explores the drivers of change over time that shape the organization and delivery of healthcare services and opportunities for innovation and improvements in the cost, quality, and access dimensions of healthcare services in these different systems. The course considers the settings in which healthcare services are delivered and the relationships between the different providers of those services and the payers (i.e., insurance companies) of those services. Discussion and learning activities will also focus on the expense of the U.S. healthcare system compared to single-payer and other systems of care and how those expenses translate to outcomes in association with access, equity, and quality of services

### **HCHS 20203 - Epidemiology & Biostatistics (3)**

Prerequisites: MATH 10043. Epidemiology (methods used to find the causes of health outcomes and diseases in populations) and biostatistics

(the application of statistics to data associated with health and disease) are tools for decision-making in health sciences practice and research. The primary goal of this course is to stock your research toolbox with fundamental knowledge and techniques of epidemiology and biostatistics and to make you become familiar and comfortable with those techniques in your research. There are four sections in this course: Section 1 introduces the basic terminology, definitions, and key features of epidemiological research as well as historical development of epidemiology, concepts of causality, definitions of health and disease, and sources of health data; Sections 2 and 3 present current principles, practices and statistical approaches in different epidemiological research, and Section 4 discusses the main concepts and techniques of biostatistics including hypothesis testing and analysis of parametric and non-parametric data.

### **HCHS 30003 - Interprofessional Leadership Teams in Healthcare (3)**

Prerequisites: Junior Standing; HCHS 10003. This course builds on the core principles of interprofessional education (IPE) and interprofessional collaborative practice (ICP) to prepare leaders who drive collaboration, quality, and safety across the continuum of patient care. The course is aligned with the World Health organization's framework of IPE in which students of two or more professions learn about, from, and with each other. Students in the Allied Health fields of Harris College together will develop the knowledge and skills to be interprofessional leaders within and beyond their respective disciplines.

### **HCHS 30653 - Introduction to Aging: Growing Old in an Aging Society (3)**

This interprofessional course is an introduction to aging and/or an overview of the field of gerontology. Major concepts, theories and principles of gerontology will be introduced. Students will explore ageism, current demographic trends in our society, and old age as a stage of lifespan development, health and healthcare concerns of older persons, issues of work, retirement, housing and economics, family relationships and social support, quality of life, and political issues of an aging society.

### **HCHS 30783 - Families, Caregivers, and People Living with Dementia (3)**

This course is an introduction to dementia and those people living with dementia. Major concepts and theories of dementia and person-centered care will be introduced. Students will explore the current demographic trends in society, health and healthcare concerns of people living with dementia, issues of stigma, family relationships and social support, and quality of life. Offered as HCHS 30783 or NURS 30433 credit. Nursing majors will enroll in NURS 30433. All other students will enroll in HCHS 30783.

### **HCHS 40950 - Current Topics in Aging (1.00-20.00)**

This course is an examination of current topics in the area of aging. Topics vary based on current trends and student and faculty interests. May be repeated for credit for different selected topics.

## **HCOL - Honors Colloquia**

### **HCOL 40000 - Experimental Course (1.00-20.00)**

Prerequisites: Acceptance into the Honors College. For new Honors colloquia not yet proposed as permanent courses. Different course subtitles with different content may be repeated for credit.

### **HCOL 40013 - Nature of the Universe (3)**

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 (3)**

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 (3)**

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 (3)**

An examination of the structure, functions, and processes of our social, political, and economic institutions.

**HCOL 40053 - Origins (3)**

An interdisciplinary course addressing the origins of time, order, change, the universe, earth, man, and human cultures.

**HCOL 41013 - Disease, Disorder, and Disability (3)**

Prerequisites: Acceptance into the Honors College. In this discussion-centered course, we explore a series of unsettled questions in biology, psychology, medicine, and philosophy: What is disease? Are diseases purely biological conditions or is the very definition of disease shaped by society? What does it mean to be healthy or normal? Are psychiatric disorders real? Are disabilities medical conditions or social ones? No previous background in philosophy, science, or medicine is required.

**HCOL 41023 - Empathy (3)**

Prerequisites: Acceptance into the Honors College. In this discussion-centered course, students explore and experience empathy in its individual, interpersonal, and civic modalities by way of readings in literature, psychology, sociology, philosophy, and a semester-long service-learning project with a local community partner.

**HCOL 41033 - Sports, Society, and Culture (3)**

Prerequisites: Acceptance into the Honors College. In this discussion-centered course, students employ tools of rhetoric, anthropology, sociology, and history to gain new perspectives on the games we watch and play, exploring the intimate links between sports, politics, religion, business, education, race, and gender.

**HCOL 41043 - Design Thinking and Innovation (3)**

Prerequisites: Acceptance into the Honors College. This course explores the use of design thinking principles to create innovative solutions to cultural and business problems.

**HCOL 41053 - Life Online (3)**

Prerequisites: Acceptance into the Honors College. This course explores experiential and social dimensions of the Internet and social media. Topics include aesthetics, entrepreneurship and labor, political change, gender and ethnicity, and privacy concerns.

**HCOL 41063 - Outlaws (3)**

Prerequisites: Acceptance into the Honors College. This course explores the causes of crime and the behavior of criminal organizations from the Civil War to the present, using concepts and readings from journalism, sociology, and literature to explore the social contexts and legends of infamous figures.

**HCOL 41073 - Race at the Movies (3)**

Prerequisites: Acceptance into the Honors College. This course examines pervasive and persistent patterns of racial imagery in mainstream U.S. cinema.

**HCOL 41083 - A Secular Age? (3)**

Prerequisites: Acceptance into the Honors College. This course examines the nature and significance of secular society through the lenses of multiple academic disciplines. Topics include the historical forces that gave rise to secular society and the diverse forms of secularization throughout the world.

**HCOL 41093 - Art and Activism (3)**

Prerequisites: Acceptance into the Honors College. This course empowers students to engage with activist art as critics, consumers, and creators, to challenge themselves and each other by interacting vigorously with a wide range of art works created with the goal of influencing thought and action.

**HCOL 41103 - Cops and Controversies (3)**

Prerequisites: Acceptance into the Honors College. This colloquium explores the social contexts and impacts of current controversies in policing ranging from police misconduct and racial profiling to community policing and media relations.

**HCOL 41113 - Mind and Matter (3)**

Prerequisites: Acceptance into the Honors College. This colloquium examines topics in the philosophy of mind and cognitive science, including the mind-body problem, the hard problem of consciousness, the Sapir-Whorf hypothesis, artificial intelligence, and conceptual disputes in contemporary cognitive science.

**HCOL 41123 - Callings (3)**

Prerequisites: Acceptance into the Honors College. This colloquium provides a humanistic exploration of what economists call specialization: the discovery and cultivation of one's unique talents, passions, and duties, not only in the realm of paid employment but in all parts of life.

**HCOL 41133 - Transcultural Dialogues (3)**

Prerequisites: Acceptance into the Honors College. This uniquely experiential course examines a range of social issues through the lenses of different cultural perspectives, using a virtual classroom to place TCU students in daily dialogue with students from one or two non-U.S. universities.

**HCOL 41143 - Asian Cultures on the Go (3)**

Prerequisites: Acceptance into the Honors College. This course examines, using the board game Go as a focal point and an exemplar, various aspects of East Asian cultures. The relation between Asian culture and Western culture and the boundary between culture and natural science are also explored.

**HCOL 41153 - The Beauty of Black Music (3)**

Prerequisites: Acceptance into the Honors College. This course examines the social, economic and political power that Black music has held in fine tuning" a culture that has not always accepted the individuals who created it."

**HCOL 41163 - Giving and Philanthropy (3)**

Prerequisites: Acceptance into the Honors College. This course explores the philanthropic sector and challenges students to work as a philanthropic foundation that gives funds to local non-profit organizations and as such must investigate, assess, and debate the relative merits of alternative funding targets.

**HCOL 41173 - Darwinian Explorations (3)**

Prerequisites: Acceptance into the Honors College. This course examines the ramifications of the theory of evolution for our understanding of culture and the world including the role of genetics, the example of great apes, religious interpretations of human origins, ecological interdependence, and gender.

**HCOL 41183 - Mind, Consciousness, Self (3)**

Prerequisites: Acceptance into the Honors College. This course offers an interdisciplinary exploration of several Western and Eastern conceptions of mind, consciousness, and self through philosophical discussion as well as experiential exercise and exploration.

**HCOL 41193 - Journalism and Moral Courage (3)**

Prerequisites: Acceptance into the Honors College. Students use historical research methods and concepts from media studies to examine the meaning of journalistic truth, the role of moral courage in pursuit of journalistic truth, and role of journalism as a bulwark of freedom and human rights.

**HCOL 41203 - Society through Multimedia (3)**

Prerequisites: Acceptance into the Honors College. This course examines the cycle of influence between media and society through critical examination of film, television, online video, video games and other forms of digital media.

**HCOL 41213 - Sex, Evolution, and the Brain (3)**

Prerequisites: Acceptance into the Honors College. Using research from psychology, evolutionary biology, nutrition, and neuroscience, students explore what research says about how we can be healthier, happier, and better connected to others.

**HCOL 41223 - Design for Social Impact (3)**

Prerequisites: Acceptance into the Honors College. Students use the frameworks of design thinking and systems thinking to develop innovative, impactful solutions to complex social problems.

**HCOL 41233 - Citizenship (3)**

Prerequisites: Acceptance into the Honors College. Through exploration of religious, political, historical, and fictional texts, students examine and evaluate contending responses to the enduring question of what it means to be a good citizen.

**HCOL 41243 - Gender (3)**

Prerequisites: Acceptance into the Honors College. Through readings, film, discussion, writing, and a semester-long service-learning project, students explore critical questions about gender and sexuality in society.

**HCOL 41253 - Islam and Politics (3)**

Prerequisites: Acceptance into the Honors College. Students analyze the pervasive role of Islam in the cultural and political life of the Muslim World via exploration of topics such as Islam and terrorism, Islam and human rights, Islam and the Arab Spring, and the prospects for relations between the Muslim World and the West in an age of globalization and interdependence.

**HCOL 41263 - Democracy in the Workplace (3)**

Prerequisites: Acceptance into the Honors College. Students examine issues of democracy, dissent, and debate in 21st century workplaces, exploring the nature, value, and scope of these ideals in a postmodern, corporatized society.

**HCOL 41273 - The Other Texas (3)**

Prerequisites: Acceptance into the Honors College. Students examine the history and culture of Texas, drawing on popular song, literature and film as well as social science to hear the voices of many prominent Texans, particularly those of diverse and under-represented communities.

**HCOL 41283 - The European Union (3)**

Prerequisites: Acceptance into the Honors College. Students explore the historical, economic, political, and legal roots of the EU and the crises that threaten it today.

**HCOL 41293 - Deconstructing Disney (3)**

Prerequisites: Acceptance into the Honors College. Students examine the impact of the Walt Disney Company (including but not limited to its movies, merchandise, theme parks, and television programming) on a range of cultural, economic, and societal issues.

**HCOL 41303 - Frankenstein, Then and Now (3)**

Prerequisites: Acceptance into the Honors College. Students explore the enduring fascination with Mary Shelley's *Frankenstein*, analyzing the contexts and ideas that influenced Shelley herself and the diverse legacies of *Frankenstein* in contemporary literature and film.

**HCOL 41313 - Musical Theater and American Politics (3)**

Prerequisites: Acceptance into the Honors College. Students trace political and social movements in the United States from the 1920s to the present through the lens of musical theater, exploring how issues of class, gender/sexuality, race, and national identity play out on the stage and screen.

**HCOL 41323 - Mindfulness and Modern Life (3)**

Prerequisites: Acceptance into the Honors College. Students explore what it means to live a mindful life in the 21st century and the kinds of thinking and practices that such a life entails.

**HCOL 41333 - Games and Learning (3)**

Prerequisites: Acceptance into the Honors College. Students examine the nature, value, and challenges of game-based learning in a variety of fields, exploring the work/play divide, gamification, and participatory culture.

**HCOL 41343 - History of the Scientific Endeavor (3)**

Prerequisites: Acceptance into the Honors College. Students gain insight into a range of social and personal issues, from the climate change debate to medical advice from physicians, by examining key texts and ideas from the history of science.

**HCOL 41353 - Literature, Care, and the Anthropocene (3)**

Prerequisites: Acceptance into the Honors College. Students draw upon the medical humanities, memoir, and science fiction to explore what caregiving and care ethics look like in a time when our own planet is facing a health crisis.

**HCOL 41363 - The End of the American Century? (3)**

Prerequisites: Acceptance into the Honors College. Students examine the future of American leadership in a rapidly changing global context.

**HCOL 41373 - Beyoncé and Intersectionality (3)**

Prerequisites: Acceptance into the Honors College. Informed by the intersectional framework of Kimberlé Crenshaw, students in this course utilize the artistry, musicianship, and feminism of Beyoncé to explore societal issues of patriarchy, racism, classism, and sexism.

**HCOL 41383 - Scary Parents in Film, Literature, and Medical History (3)**

Prerequisites: Acceptance into the Honors College. Students critically and comparatively explore the depiction of monstrous parents (particularly mothers) in film, literature, and medical history.

**HCOL 41393 - The World in the News (3)**

Prerequisites: Acceptance into the Honors College. Through comparative examination of English-language newspapers and news sites in over 100 countries, students identify cultural differences and similarities across nations and explore the tensions between globalization and cultural identity.

**HCOL 41403 - Presidential Leadership (3)**

Prerequisites: Acceptance into the Honors College. Through first-hand exposure to speeches and texts by former presidents and prime ministers across the Americas, students examine elements of executive leadership and advantages and disadvantages of presidential and prime ministerial systems.

**HCOL 41413 - Resilience (3)**

Prerequisites: Acceptance into the Honors College. Using learning materials and perspectives from multiple disciplines and cultural contexts, students examine the internal and external resiliencies that allow humans to endure and thrive in the most difficult of circumstances.

**HCOL 41423 - Reproductive Justice and Narrative (3)**

Prerequisites: Acceptance into the Honors College. Students study the narratives of pregnant people, using the methods of Narrative Medicine to understand how the power of story and how legal, political, medical, and cultural circumstances shape personal experiences of pregnancy and decisions around pregnancy care.

**HCOL 41433 - Underworlds: Deconstructing the Normal in Literature and Film (3)**

Prerequisites: Acceptance into the Honors College. Students reflect upon cultural standards and norms embedded in contemporary novels and films, by means of which certain characters are rendered despicable, marginal, or lesser.

**HCOL 41443 - City as Text: Fort Worth (3)**

Prerequisites: Acceptance into the Honors College. Students in this site-based course learn to read the spaces around them as vibrant, evolving, historical texts.

**HCOL 41453 - The Worldliness of Virtual Worlds (3)**

Prerequisites: Acceptance into the Honors College. Students examine the worldly nature and significance of games and gaming communities, in part by learning to play and reflect upon well-known video games.

**HCOL 41463 - Technological Dystopias (3)**

Prerequisites: Acceptance into the Honors College. Students examine popular dystopic depictions of the future (via games, films, and literature), seeking to understand how technology changes our perceptions of reality and humanity.

**HCOL 41473 - Superheroes and Culture (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students examine hero myths across multiple cultural contexts to explore how they reflect and/or critique their cultural contexts while simultaneously shaping readers' cultural identities.

**HCOL 41483 - Counting on Sustainability (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students use basic mathematics to understand the nature and significance of sustainability, climate change, and the tradeoffs facing us, individually and globally, in the 21st century.

**HCOL 41493 - Capitalism and Socialism (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students explore theories and forms of capitalism and socialism, past and present, seeking to understand their promises and failures to generate freedom, fairness, and prosperity for all.

**HCOL 41503 - Modernity and After (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students seek to understand the present age by asking what is new about it compared to the era of modernity (1450-1918).

**HCOL 41513 - Freedom in the Western World (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students comparatively analyze how freedom is defined and achieved across various Western nations.

**HCOL 41523 - Reckoning with Racial Reconciliation (3)**

Prerequisites: Acceptance into the Honors College and declared pursuit of University Honors. Students study the goals and practices of Universities Studying Slavery, reflect on their own campus culture through this comparative lens, and consider additional ways to create a more inclusive and equitable campus community.

**HCOM-Health-Comm-and-Media****HCOM 10313 - Foundations of Health Communication (3)**

This class aims to provide you with an overview of the field of health communication and enhance your understanding about it. Specifically, you will learn most studied major topical areas in healthcare and health communication, theories and methods used to guide health communication research and intervention, and design and evaluations of health campaigns.

**HCOM 20303 - Health, Communication & Media (3)**

A beginning look at issues and opportunities in the areas of health, communication and media. This class is designed to help students examine social and media forces of health communication that impact diverse groups. Topics will include health promotion campaigns, media health edutainment, interpersonal health communication and media advocacy and outreach.

**HCOM 20313 - Interpersonal Health Communication (3)**

The quality of relational communication is fundamentally tied to human health. This course aims to better understand how interpersonal communication affects people's physiological well-being by studying the health outcomes associated with relational processes like emotional expression, disclosure, affection, and conflict.

**HCOM 30313 - Health Communication in the 21st Century (3)**

Prerequisites: HCOM 10313 or 20303. Globalization, technological advancement, and new media have been revolutionized and complicated issues in health communication and healthcare. This class is designed to help students examine social and media forces of health communication that impact diverse groups in the 21st century. We will take a close examination of the latest issues and opportunities in the areas of health, communication and media. Topics will include e-health, m-health, telemedicine, health campaigns, culture and diversity in healthcare.

**HCOM 40933 - Health Communication Campaigns (3)**

Prerequisites: HCOM 10313 and 20303. Learn how a health communication campaign is created and executed. Students will utilize their accumulated knowledge from their minor courses to analyze health campaign case studies, then create and execute a health communication campaign as a team.

**HCOM 40970 - Health Communication Special Topics (1.00-20.00)**

Prerequisite: HCOM 10313 or 20303. Specific topics requiring independent or small group research and study in health communication.

**HEBR - Hebrew****HEBR 10053 - Biblical Hebrew I (3)**

The course aims at building a firm foundation in basic biblical Hebrew with a view toward productive academic engagement with the documents of the Old Testament/Hebrew Bible. We will cover the basics of Hebrew morphology (the way words are put together), syntax (the way phrases and sentences are put together), and vocabulary. These will be strengthened by continual review through memorization, exercises, quizzes, and exams.

**HEBR 10063 - Biblical Hebrew II (3)**

This course will help students to continue building a firm foundation in basic biblical Hebrew with a view toward productive academic engagement with the documents of the Old Testament/Hebrew Bible. This foundation will be laid by absorption of the basics of Hebrew morphology (the way words are put together), syntax (the way phrases and sentences are put together), and vocabulary, and strengthened by

continual review through memorization, exercises, quizzes, translation projects, and exams.

**HIST - History****HIST 10103 - World History to 1500 (3)**

Explores themes and topics in world history from the origins of civilization to 1500.

**HIST 10113 - World History since 1500 (3)**

This is a lower-division, lecture course covering global development from around 1500 CE to the 21st century. It covers the main political, social, and cultural trends in a variety of societies while at the same time stressing the global perspective. Thus, the first goal is learning the specific histories and cultures within a comparative global context. The rise and fall of civilizations, empires, and states will be studied within the conceptual frameworks including modernity, nation states, imperialism, and colonialism. A second goal of the course is to develop the critical and analytical skills of students. In addition to learning historical content, students will also be engaged in the analysis of writing history through discussing a wide range of primary sources including museum objects and archival documents.

**HIST 10203 - Origins of Western Civilization: Europe to 1348 (3)**

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. (EU)

**HIST 10213 - The World Expanded: Europe 1348-1789 (3)**

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. (EU)

**HIST 10223 - Modernization and its Discontents: Europe 1789 to the Present (3)**

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. (EU)

**HIST 10533 - Freshman Seminar in History (3)**

Topics may vary each time it is offered.

**HIST 10603 - United States History: A Survey to 1877 (3)**

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. (US)

**HIST 10613 - United States History: A Survey since 1877 (3)**

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. (US)

**HIST 10703 - African American Experience Since 1619 (3)**

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. (US)

**HIST 10713 - Multicultural America: A Historical Survey (3)**

A thematic survey of the making of the United States from a multicultural perspective. Spanning the precolonial era to the present, the course includes units on Native Americans, African Americans, Asian Americans, European immigrants, and Latinos/as--analyzing the different groups comparatively and in relationship to one another. In addition to history, the course includes elements of Critical Race and Ethnic Studies and explores the intersections between race/ethnicity, class, gender, and sexuality. (US)

**HIST 10723 - History of Latinas/os in the United States (3)**

A comprehensive history of Latinas/os in the United States from settlement to present, with an emphasis on the period since 1848. This course covers the cultural, political, and economic contexts of identity and community formation, immigration, and labor and civil rights struggles among various Latina/o communities within the United States.

**HIST 10803 - Introduction to Islamic Civilization (3)**

This course surveys the history of the Middle East from the rise of Islam to the end of the sixteenth century. Students will be introduced to basic aspects of the political, social, and cultural dimensions of Islamic civilization from Spain to Iran as they changed over time. Central themes include the emergence of Sunni and Shi'i identities, the relationship of Muslims and non-Muslims, and the unique material and intellectual contribution of Islamic civilization to world history and other societies. (ME)

**HIST 10813 - Introduction to the Modern Middle East (3)**

This survey course is an introduction to the history, politics, culture and societies of the modern Middle East. To understand how and why the Middle East changed from a relatively peaceful region into a radicalized environment, we will study the Middle Eastern experiences with European imperialism, authoritarian rule, the challenges of the social and economic development, the rise of political Islam, the Arab-Israeli conflict, the oil, and the role of the United States in the region. (ME)

**HIST 10833 - History of Islamic Slavery (3)**

This survey course covers the practice of slavery in the Islamic world from the time of Prophet Muhammad to the 20th century. Students will learn about not only the diverse histories of different Islamic societies from Southeast Asia to North Africa and Americas, they will also study the similarities and differences of slavery as an institution in these societies. The themes covered in the course include concubinage, slave dynasties, elite and military slavery, race and slavery, slave trade, manumission, and abolition of slavery.

**HIST 10843 - Pirates of the Mediterranean (3)**

This lecture course covers the history of corsairs and pirates in the Mediterranean in the early modern period, i.e. the 16th to early 19th centuries. The main goal of the course is providing a historical context for the 'external war' between the Christendom and Islamic world in the Mediterranean. Through our weekly discussions, students will acquire the analytical skills to problematize the geographic, religious, and ethnic divisions between Europe, Asia, Africa, and America as well as those between Islam and Christianity.

**HIST 10923 - Latin American History: Colonial Period (3)**

Hispanic and native backgrounds of the Spanish Conquest; a description and analysis of the evolution of colonial institutions; the independence movements in Hispanic America. (LA)

**HIST 10933 - Latin American History: National Period (3)**

The colonial inheritances which influenced national development; political and economic trends of the nineteenth century; revolutionary trends in the twentieth century; inter-American relations. (LA)

**HIST 10943 - East Asian Civilization to 1700 (3)**

This course is an introduction to the history and culture of modern East Asia from approximately 1700 to the end of the 20th century. We will focus on the internal changes and external challenges faced by the people and governments of China, Japan, Korea, and Vietnam. Students in this course will pursue a greater knowledge and understanding of modern East Asian history and civilization through a combination of readings, lectures, videos, discussion and writing assignments. (AS)

**HIST 10953 - East Asian Civilization Since 1700 (3)**

This course is an introduction to the history and culture of modern East Asia from approximately 1700 to the end of the 20th century. We will focus on the internal changes and external challenges faced by the people and governments of China, Japan, Korea, and Vietnam. Students in this course will pursue a greater knowledge and understanding of modern East Asian history and civilization through a combination of readings, lectures, videos, discussion and writing assignments. (AS)

**HIST 20003 - The Historian's Craft (3)**

This course is designed to instruct students in the research and writing skills specific to the discipline. Taught in a seminar format, the course is based on students' discussions and written and oral work.

**HIST 20203 - Origins of Western Civilization: Europe to 1348 (Honors) (3)**

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. (EU)

**HIST 20213 - The World Expanded: Europe 1348-1789 (Honors) (3)**

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. (EU)

**HIST 20223 - Honors Modernization and its Discontents: Europe 1789 to the Present (3)**

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. (EU)

**HIST 20603 - The American Mind (HON) (3)**

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. (US)

**HIST 20613 - The American Mind since 1877 (Honors) (3)**

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. (US)

**HIST 20763 - U. S. Military History (3)**

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. (US)

**HIST 20923 - Honors History of Latin American Civilization to 1830 (3)**

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. (LA)

**HIST 20933 - Honors History of Latin American Civilization since 1830 (3)**

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. (LA)

**HIST 20943 - Honors History Asian Civilization to 1500 (3)**

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. (AS)

**HIST 20953 - Honors History of Asian Civilization Since 1500 (3)**

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. (AS)

**HIST 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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. (EU)

**HIST 30013 - The Roman Republic and Empire (3)**

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. (EU)

**HIST 30023 - Ancient Egypt and the Near East (3)**

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. (ME)

**HIST 30033 - Ancient Mysteries: Sense and Nonsense (3)**

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 30073 - Internship in Public History (3)**

Public history internships provide valuable opportunities for students to acquire knowledge, apply skills, and gain practical experience in a wide range of history-related fields. These include (but are necessarily limited to) archives, museums, historic sites, historic preservation, oral history, and documentary editing.

**HIST 30083 - Introduction to Public History (3)**

This course introduces students to public history and to jobs in institutions such as museums, state and national parks, archives, and other cultural entities. Topics covered: preserving and sharing the past for a general audience; interpreting sensitive historical topics; engaging the community through public history partnerships; finding employment in the field.

**HIST 30133 - The Middle Ages (3)**

A political and cultural survey of medieval civilization in the period A.D. 500-1600. 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. (EU)

**HIST 30153 - Junior Honors Tutorial (3)**

Prerequisite: Junior standing as a history major and membership in the Honors Program; HIST 20003. 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 (3)**

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. (EU)

**HIST 30223 - The Seventeenth Century (3)**

Europe in crisis? Topics include civil wars, social and religious instability, absolutism, the debate over the crisis of the seventeenth century. (EU)

**HIST 30233 - Enlightenment Europe (3)**

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. (EU)

**HIST 30243 - Spain: From Columbus to Franco (3)**

This course examines Spain's culture, politics, and society from its creation out of a collection of small medieval kingdoms to the age of Columbus and the creation of a colonial empire, the collapse of this empire in the nineteenth century, and the path from dictatorship to democracy in the 20th century. It will include an emphasis on the Spanish values and beliefs that generated periods of religious cooperation and repression, experiments in absolute monarchy and constitutional government, and an ongoing tension between the desire for national unity and the recognition of regional differences. (EU)

**HIST 30253 - Popular Culture in Early Modern Europe (3)**

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. (EU)

**HIST 30303 - The Age of Great Transformation: Europe, 1815-1870 (3)**

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. (EU)

**HIST 30323 - Peace or Pause? Europe, 1919-1945 (3)**

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. (EU)

**HIST 30333 - A Whole New World: Europe since 1845 (3)**

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. (EU)

**HIST 30343 - The French Revolution: from Subjects to Citizens (3)**

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. (EU)

**HIST 30363 - Modern Germany, 1815 to the Present (3)**

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. (EU)

**HIST 30373 - European Thought and Culture, 1800 to the Present (3)**

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. (EU)

**HIST 30383 - Experiences and Encounters: Paris and Madrid, 1880-1940 (3)**

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. (EU)

**HIST 30393 - Totalitarianism in Europe (3)**

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. (EU)

**HIST 30403 - History of Russia to 1861 (3)**

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. (EU)

**HIST 30413 - History of Russia from 1861 to the Present (3)**

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. (EU)

**HIST 30423 - Central Europe since 1700 (3)**

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. (EU)

**HIST 30443 - History of Modern China: from Ming to Mao (3)**

Explores the history of modern China, examining the major events and forces that have shaped the development of this important East Asian state. Topics include traditional Confucian society, the internal and external crises of the late imperial period, the revolution and attempts at state-building of the republican period, and the mass campaigns of the Maoist era. (AS)

**HIST 30503 - History of England to 1603 (3)**

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. (EU)

**HIST 30513 - History of England and Great Britain since 1603 (3)**

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. (EU)

**HIST 30523 - Tudor-Stuart England, 1485-1714 (3)**

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. (EU)

**HIST 30533 - England, 1815-1901, Politics, Prudery, and the Pax Britannica (3)**

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. (EU)

**HIST 30543 - Twentieth-Century Britain, Empire to Welfare State: 1901 to the Present (3)**

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. (EU)

**HIST 30553 - History of Ireland since 1600 (3)**

Examination of Irish history from the plantations of the seventeenth century to the conclusion of the Troubles in the twentieth century. Particular attention will be given to the era of the penal laws, the place of Ireland within the British Empire, the development of a variety of forms of Irish nationalism, the causes and consequences of the Great Irish Potato Famine, the Anglo-Irish War and the partition of the island, and the struggle for civil rights and peace in Northern Ireland. The course will also introduce theories about colonial (and postcolonial) identities in modern Ireland. (EU)

**HIST 30563 - The British Empire, 1603-1857 (3)**

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. (EU)

**HIST 30573 - British Empire and Commonwealth, 1857-1975 (3)**

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. (EU)

**HIST 30583 - Living in London (3)**

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. (EU)

**HIST 30593 - Making of Modern England (3)**

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. (EU)

**HIST 30603 - History of Women in America (3)**

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. (US)

**HIST 30613 - History of Working People in America (3)**

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. (US)

**HIST 30623 - History of Science (3)**

This is a multidisciplinary examination of the history of science beginning with the earliest written record and extending through the end of the twentieth century. In addition to addressing the key figures and seminal events in the evolution of physics, chemistry, biology, and

medicine, the course will deal with the evolution of the scientific method and with epistemological issues and challenges faced by current and former scientists. We will also address the relationship between those challenges and current controversies in science and society. (US or EU)

### **HIST 30633 - Women in European History 1789 to the Present (3)**

In this course, students will explore the experiences of women in the history of Europe from 1789 to the present. Many of the topics and events will be familiar, industrialization, the French Revolution, the women's movement, the Russian Revolution, the World Wars, and the Cold War. Students will examine these events to investigate women's experiences and to discover women's contributions to the history of modern Europe. (EU)

### **HIST 30643 - History of Food in America (3)**

This course investigates changes in American food from European contact to the present. Topics will include the impacts of immigration and industrialization. (US)

### **HIST 30653 - The Life and Times of Benjamin Disraeli (3)**

Explores Britain's nineteenth century through the career of Benjamin Disraeli, by turns novelist, dandy, romantic poet, Tory democrat, statesman, and twice prime minister. The story of how this middle-class, Jewish outsider became the ultimate political insider reveals the role of class, religion, and race in British society. Particular attention will be given Disraeli's role in the development of the British empire, the promotion of a modern monarchy, and democratization of the political system. (EU)

### **HIST 30663 - War and Society (3)**

This course examines the relationship between wars and societies. Course subject varies and could focus on specific wars, time periods, or nations. Additionally, the course could focus on such topics as the mobilization of militaries and civilian societies, the development of battlefield operations, the experiences of wartime societies and militaries, and the influence of such factors as culture, gender, technology, communication, and economics on wars.

### **HIST 30673 - History of Museums and Collecting (3)**

This undergraduate seminar examines the ways in which societies from the ancient world to the present acquire, order, and assign value to material artifacts. From ethnographic remains to natural specimens, and from works of art to antiquities, people have plundered, collected, and displayed objects across time and space. Special attention to circulation will help students analyze the processes by which objects were detached from their natural context and reinserted into thematic sets based on aesthetic, religious, political or scientific priorities that gave rise to the modern museum. Topics include the culture of learning at the Library of Alexandria, relics and devotional practices in medieval Europe, collecting exotica during Renaissance, sensory museums of the Enlightenment, and black market trade of antiquities in the present. Class includes fieldtrips to local museums, libraries, and private collections.

### **HIST 30683 - History of Queer America (3)**

People who identify as queer have been integral to the history of the United States. We will examine the history of the US with attention to the experience of queer people. Queer people have always existed, more openly at some times than at others. We will trace the shifts in the ways that queer people have interacted with the public sphere and how American attitudes toward queerness have changed over centuries. We will examine primary sources--the actual words of the time. From those sources, the student makes an unfiltered connection to the people of the past.

### **HIST 30703 - Modern Egypt: A History (3)**

From the formation of the Egyptian state in the beginning of the 19th century until the current regime of President Mubarak, this course traces the struggle of Egyptian state and society to build a modern, but authentic, nation. The course addresses European imperialism, westernization, the rise of Arab nationalism, authoritarianism and political Islam among other forces that shaped the unique Egyptian experience. Social issues such as the formation of modern classes, women's position in society, and the contribution of minorities will be examined to understand continuity and change in Egyptian society. (ME)

### **HIST 30713 - Revolutionary Iran: A History (3)**

This course provides students with a comprehensive understanding of the historical developments in Modern Iran that made its experience unique among Middle Eastern and Muslim nations. Students will learn how Iranian society, culture, and politics have evolved throughout the nineteenth and twentieth centuries to provide an appropriate historical

context in which the 1979 Islamic Revolution took place and created the first Islamic Republic in the modern Middle East. (ME)

### **HIST 30723 - Women in the Middle East (3)**

This course examines the position, contribution, cultural representation and socio-economic status of women in the Middle East from the advent of Islam to the present with particular focus on the nineteenth and twentieth centuries. By tracing women's legal status, sexuality, public morality, family and social life, and female economic and political participation, this course seeks to shed light on the history of women in predominantly Muslim societies. (ME)

### **HIST 30733 - Syria and Iraq: Troubled History from WWI to the Rise of ISIS (3)**

This course provides students with a comprehensive understanding of the historical developments of Syria and Iraq during the last hundred years, thus students will have a better understanding of the contemporary crisis that both states and societies are going through. Throughout the semester students will engage in learning through community services experience. Students will gain firsthand knowledge on the ongoing crisis through volunteering to provide services to Iraqi and Syrian refugees in Fort Worth community.

### **HIST 30743 - Muslim Gunpowder Empires (3)**

Comparative historical survey covering three great early-modern Muslim empires: the Mughals, the Safavids, and the Ottomans. The three empires ruled over a vast geography including North Africa, the Balkans, Turkey, the Arab Middle East, Iran, and the Indian Subcontinent. Major themes include the role of religion in early warriors' militancy, slave armies, early modern bureaucracy, the rise of Sunnism and Shi'ism as official religions as well as social status and gender relations.

### **HIST 30803 - U.S. Urban History (3)**

An introduction to U.S. urban history, focusing on race, space, community activism, labor, and urban politics from the Civil War to the present.

### **HIST 30813 - Oral History Field Research Seminar (3)**

This service-learning field research course introduces students to community-based research and oral history theory and methodology, including interviewing techniques and debates within the discipline. Students will conduct extensive independent research outside the comfortable confines of the university. (US)

### **HIST 30823 - The Chicano/a Movement, Latino/a Politics, and Immigration Rights (3)**

This course surveys the history of the modern Chicano/a civil and immigration rights movement and explores Latino/a politics and immigration policy as ways to understand the nature of social movements and the role of grassroots activism; the connections between civil rights and other struggles for social justice, past and present; and the origins and persistence of structural racial and ethnic inequality in the United States. (Offered as POSC 31543 or HIST 30823 credit)

### **HIST 30833 - The Civil Rights Movement in America (3)**

This course surveys the history and politics of the modern African American civil rights movement and uses it as a vehicle to explore the theory and practice of group-centered leadership development; the nature of social movements and the role of grassroots activism; the connections between civil rights and other struggles for social justice, past and present; and the origins and persistence of structural racial inequality in the U.S. Credit not awarded for both POSC 31523 and HIST 30833.

### **HIST 30903 - Indigenous Movements in Latin America (3)**

This course examines Native American movements in modern Latin America and their impact on conceptions of nation and citizenship, focusing on the late twentieth and early twenty-first centuries. (LA)

### **HIST 30913 - History of Central America (3)**

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. (LA)

### **HIST 30923 - The United States and Latin America (3)**

Early diplomatic relations among the independent republics; 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. (LA or US)

**HIST 30933 - Revolution in Latin America (3)**

Survey and analysis of revolutionary movements in modern Latin America, with special emphasis on Argentina, Brazil, Chile, Cuba, Mexico, and Central America. (LA)

**HIST 30943 - The Spanish Borderlands (3)**

The clashing and mingling of cultures in regions formerly held by Spain in the southeastern and southwestern United States. (US)

**HIST 30953 - History of Argentina and Chile (3)**

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. (LA)

**HIST 30963 - History of Brazil (3)**

The growth of the Brazilian nations and civilization from colonial plantation beginnings through experiments with monarch and republic, to the rank of major nation. (LA)

**HIST 30970 - Topical Studies in History (1.00-20.00)**

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 (3)**

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. (LA)

**HIST 30983 - Aztecs, Incas, and Mayas: The Indians of Middle and South America (3)**

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. (LA)

**HIST 30990 - International Residential Study (1.00-20.00)**

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 (3)**

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. (LA)

**HIST 31003 - Latin American Food in Global Context (3)**

This course examines the role of food in Latin American social, cultural, economic, political, and environmental life, since the fifteenth century. It centers Latin America within key transformations in the global history of food, from the Columbian Exchange to contemporary food sovereignty movements, and asks how those historical shifts impacted foodways. In this course, food is much more than lens of analysis; it is a hands-on and embodied experience that empowers us to engage all of our senses to advance our learning. Buen Provecho!

**HIST 31903 - Summer Study in Ghana (3)**

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.

**HIST 31990 - International Residential Study (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 34990 - London:History,Art,Society (3)****HIST 36690 - International Residential Study (1.00-20.00)**

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 36790 - International Residential Study (1.00-20.00)**

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 36990 - International Residential Study (1.00-20.00)**

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 38990 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (3)**

A survey and analysis of women's role in modern history with special emphasis on monarchs, scholars, laborers, and political activists. (NWH)

**HIST 40103 - Senior Honors Project (3)**

Prerequisite: Departmental major, enrollment in the Honors Program, and completion of HIST 20003 and 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 (3)**

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. (US)

**HIST 40613 - Revolutionary America, 1763-1789 (3)**

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. (US)

**HIST 40623 - The Age of Jefferson, 1789-1828 (3)**

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. (US)



**HIST 40633 - The Age of Jackson, 1829-1860 (3)**

The period of Manifest Destiny, with special attention to the developing antagonisms between North and South before, during and after the War with Mexico. (US)

**HIST 40643 - Civil War and Reconstruction, 1861-1876 (3)**

The Civil War and slow recovery from the effects of conflict. (US)

**HIST 40653 - Beer Drinkers, Hell Raisers, and Robber Barons: America in the Gilded Age and Progress Era (3)**

The rise of industrial America, reform movements, urbanization, and immigration and their influences on U.S. society and politics between the administrations of U.S. Grant and Woodrow Wilson. (WH)

**HIST 40663 - America Between World Wars, 1919-1941 (3)**

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. (US)

**HIST 40673 - The United States from 1941 to 1975 (3)**

Domestic and foreign policies of the starting with entry into World War II through 1975. Special attention to social, cultural, and ideological development. (US)

**HIST 40693 - American Empire (3)**

Prerequisite: HIST 10613. Explores the relationship between culture and foreign relations by examining the ways race, gender, and culture have framed American interactions with the world in the twentieth century, both in peacetime and in war.

**HIST 40703 - Indians of the United States (3)**

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. (US)

**HIST 40713 - Indians of the Greater Southwest (3)**

The major Indian tribes of the cultural area comprising the southwestern United States and northern states of Mexico. (US)

**HIST 40723 - The Early American Frontier (3)**

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. (US)

**HIST 40733 - The American West to 1900 (3)**

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. (US)

**HIST 40743 - History of Texas (3)**

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. (US)

**HIST 40763 - The Old South (3)**

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. (US)

**HIST 40783 - Constitutional History of the United States (3)**

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. (US)

**HIST 40793 - Business in American Life (3)**

Survey, development and structure of the American economy and business enterprise in response to changing markets and technology. (US)

**HIST 40803 - History of Medicine and Public Health (3)**

An examination of medicine and public health in the United States with emphasis on social and cultural factors. (US)

**HIST 40813 - American West since 1900 (3)**

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. (US)

**HIST 40823 - U.S. South since 1865 (3)**

This course will examine the enormous changes in the American South brought about by the Civil War and the subsequent fight of southerners for social justice, economic progress, and racial equality into the 1960s.

**HIST 40833 - The American Presidency (3)**

The history of the presidency from the beginning of the office to the present. (US)

**HIST 40843 - The Vietnam War (3)**

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. (AS or US)

**HIST 40853 - American Environmental History (3)**

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. (US)

**HIST 40863 - American Sport History (3)**

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. (US)

**HIST 40873 - The Civil Rights Movement in America**

This course surveys the history of the modern African American civil rights movement and uses it as a vehicle to explore the theory and practice of group-centered leadership development; the nature of social movements and the role of grassroots activism; the connections between civil rights and other struggles for social justice, past and present; and the origins and persistence of structural racial inequality in the U.S. (US)

**HIST 40883 - War and Memory in American Culture (3)**

Prerequisites: HIST 10603 or 10613. This course considers the contested and changing nature of war memory in American culture through an examination of the ways memorials and monuments, commemorative actives, films, and historical sites create public memories of wars.

**HIST 40893 - War and Gender in American History (3)**

This course examines the ways gender and sexuality shape wartime experiences, investigates the symbolic functions of gender and sexuality in war making, and considers the ways wars shape peacetime gender norms. A study of key moments in the history of American wars, the course explores both how gender has shaped Americans' understandings and experience of war, and how wars have framed social constructions of gender.

**HIST 41903 - History of Cuba (3)**

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. (LA)

**HIST 41913 - Afro-Latin America (3)**

Examination of Afro-Latin American experience, from colonial times to the present. Class activities emphasize analytical thinking and writing.

**HIST 49903 - History Major Seminar (3)**

Prerequisites: History major; junior or senior standing; at least 15 completed hours in history, or instructor's permission; HIST 20003. This course, designed as a capstone experience for History majors, guides students through the process of conducting research and writing an original thesis based on relevant primary and secondary sources. Topics vary by semester and instructor. Course may not be repeated for credit. (US, EU, ME, LA, or AS)

**HIST 50080 - Archival Internship (1.00-20.00)**

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 50133 - Seminar in Literature and History (3)**

Prerequisites: Junior standing with a minimum of 9 hours in literature, history, and/or political science, or graduate standing in English or History. Interdisciplinary study of society, culture, or politics through the literature and history of a given era (variable topic). Open to graduate students and to advanced undergraduate students. Students will receive instruction from both an English professor and a History professor in content (literary works, historical studies, primary documents in periodicals or archives) and discipline-specific research methods.

**HIST 50963 - Historiography (3.00-6.00)**

This course will explore the developments in professional historical writing from the 18th century to the present, emphasizing the changing assumptions, methodologies, and interpretive paradigms that have shaped our approach to studying the past.

**HIST 50970 - Special Studies in History (1.00-20.00)**

Special Studies in History. (NWH or WH)

**HLTH - Health****HLTH 10603 - Anatomical Kinesiology (3)**

Prerequisite: Open to students with freshman or sophomore standing, or by permission. 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 (3)**

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 30203 - Health and Stress Management (3)**

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 (3)**

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 Neurophysiology (3)**

Prerequisite: KINE 10603 and BIOL 20214, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. The study of the neuropharmacology and neurophysiology of various exercises commonly utilized to treat and manage various types of hypokinetic diseases such as cardiovascular disease, diabetes, and obesity. The interactions between the nervous system and exercise will be examined. In addition, the neurophysiological effects of various exercise interventions commonly used by athletes and other exercising individuals will be studied.

**HLTH 30423 - Nutrition and Physical Activity (3)**

Prerequisites: KINE 10603 or BIOL 10504 or BIOL 20214, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (4)**

Prerequisite: KINE 10603; Kinesiology majors only: KINE 10101; MOSC, ATTR, and HEFI only: BIOL 20214. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 (3)**

Prerequisites: KINE 10603 or BIOL 10504 or BIOL 20214, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

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 (1.00-3.00)**

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.)

**HNRS Honors, Lower-Division****HNRS 20003 - Honors: Special Topics (3)**

Prerequisite: Acceptance into the Honors College. Occasional course on a selected topic related to interdisciplinary, cross-cultural or inquiry-based study. Different course titles with different content may be repeated for credit.

**HNRS 20103 - Africa Through Film (3)**

This discussion-based course uses documentaries and movies to highlight the history, traditions, and lifestyles of African societies. Students cannot receive credit for both ADRN 20103 and HNRS 20103.

**HNRS 20123 - Mindfulness for College Students (3)**

Prerequisites: Acceptance into the Honors College. Students learn about the science of mindfulness and the benefits of mindfulness for college students through an experiential, intercultural exploration of diverse religious and secular traditions and practices.

**HNRS 20133 - Spaces and Places (3)**

Prerequisites: Acceptance into the Honors College. Students explore how meaning making is powerfully shaped by locations and built structures and how TCU spaces and places impact learning and belonging in our campus community.

**HNRS 20643 - Video Game History (3)**

Prerequisites: Acceptance into the Honors College. Students examine the history of video games as it intersects with the history of technology and broader socio-cultural structures and as it is co-created by game designers and gaming audiences.

**HNRS 20113 - College Life and Identity (3)**

Prerequisite: Honors College admittance. In this discussion-based course, students will use interdisciplinary inquiry and experiential learning to explore aspects of college life that make college years formative in developing and understanding personal and community identities.

**HNRS 20213 - Language, Communication and Cultural Identity (3)**

Prerequisite: acceptance into the Honors College. In this course, students will use interdisciplinary inquiry methods to examine how creation and expression of identities are carried out through diverse social language practices such as interpersonal communication, use of new media, rhetorical performances, and the composing of written texts. Readings and students' performative projects will draw from a range of disciplinary and multi-disciplinary perspectives, while promoting experiential learning consistent with TCU Honors College learning goals in the lower division curriculum.

**HNRS 20223 - Gender and Cultural Identity (3)**

Prerequisites: Acceptance into the Honors College. In this course, students will use interdisciplinary inquiry methods to examine how the creation and expression of gender identities vary in diverse cultural contexts. Readings and students' projects will draw from a range of disciplinary and multi-disciplinary perspectives, while promoting experiential learning consistent with TCU Honors College learning goals in the lower division curriculum.

**HNRS 20233 - Gender and Sexuality in History and Literature (3)**

Prerequisites: Honors College acceptance. All social human beings are assigned and perform gender roles; all organized societies also regulate sexuality. By examining gender and sexuality as represented in literature in a specific historical context, this course is designed to help students learn to comprehend, theorized, and analyze systems of gender and sexuality in their own era.

**HNRS 20243 - Culture, Literature, and Adaptations (3)**

Prerequisites: Honors College admittance. This seminar-style course examines literary sources and artistic adaptations through the lens of comparative cultural inquiry. Authors, eras, genres, and approaches vary by semester. Adaptations may include film, graphic novels, plays, video games, dance or music.

**HNRS 20403 - Faith and Social Movements (3)**

This course explores case studies in religion and social movements from around the world, focusing on the Americas and the Middle East. Topics include racial identity, nationalism, Christianity, Islam, the civil rights movement, feminist approaches, and contemporary interfaith dialogue. Course material includes primary sources and analytical perspectives.

**HNRS 20503 - Exploring Cultural Contact Zones (3)**

Prerequisite: acceptance into the Honors College. An interdisciplinary examination of sites, social practices, and cross-cultural exchange as experienced and depicted in contact zones" where individuals and communities from different backgrounds interact. Student projects will demonstrate awareness of how global issues of diversity and inclusiveness are engaged and expressed in a range of localized cross-cultural contexts."

**HNRS 20613 - Race and Sports (3)**

Prerequisites: Acceptance into the Honors College. This course examines the historical and cultural construction of sports as a global commodity and the intersectionality of race with mainstream images and experiences of sports in the U.S.

**HNRS 20623 - The Genius of Hip Hop (3)**

Prerequisites: Acceptance into the Honors College. This course examines the historical and cultural construction of Hip Hop as a global commodity, the genres, artists, styles, sounds, and rhetorical techniques that comprise the Hip Hop movement, and the intersectionality of race with mainstream images and experiences of Hip Hop in the U.S.

**HNRS 20633 - Video Games and Representation (3)**

Prerequisites: Acceptance into the Honors College. Students use textual analysis to explore the overt and subtle ways in which video games represent race, gender, and sexuality via characters, narratives, and game mechanics.

**HNRS 20643 - Video Game History (3)**

Prerequisites: Acceptance into the Honors College. Students examine the history of video games as it intersects with the history of technology and broader socio-cultural structures and as it is co-created by game designers and gaming audiences.

**HNRS 20803 - Understanding Science (3)**

Prerequisites: Acceptance into the Honors College. Students examine foundational questions about the nature, value, methods, and ethics of science.

**HNRS 20813 - Philosophy and Science of Social Justice (3)**

Prerequisite: Acceptance into the Honors College. Discussions of justice in the 21st century focus increasingly on issues like sexism, racism, transphobia, and ableism. But what are things like race, gender, and disability? Are they biological differences, or are they socially constructed? Is there such a thing as implicit prejudice? Can equal treatment sometimes be unjust? In this course we will examine discussions from the humanities and the sciences on topics such as structural and psychological oppression, microaggressions, implicit bias, and other topics. Students will examine how these theoretical perspectives can be informed by scientific methods, as well as how theories of social justice can be used to criticize and inform our scientific practices.

**HNRS 20913 - Cultural Memory: HIST Culture (3)**

This course explores the role of historical, rhetorical, archival, and new-media expression in creating cultural memory. The course will concentrate on how technological innovation mediates the historical foundations of cultural memory.

**HNRS 20923 - Cultural Memory: LIT Culture (3)**

This course explores the role of literature, poetry, and film in creating cultural memory in the United States. The course will concentrate on how writers and film directors mediate the literary and historical foundations of cultural memory.

**HNRS 30533 - Happiness: Culture, Economics, and Being (3)**

Explores anthropological and economic perspectives on happiness and human flourishing: the diverse ways in which well-being is conceptualized and experienced in different cultural contexts, the complex relationship between well-being and economic growth, and cross-disciplinary inquiry into the conditions and activities (such as community, ecology, dignity, creativity, generosity, trust, health, and inequality) that engender or impede human flourishing.

## HSPR - Honors Special Project Courses

**HSPR 30990 - International Residential Study (1-20)**

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.

**HSPR 40000 - Honors Interdisciplinary Inquiry (1.00-6.00)**

Prerequisites: Acceptance into the Honors College. An interdisciplinary inquiry into a special topic. Course may be repeated for credit with different title and content for various offerings. Course may be offered for 1 to 6 hours of credit, depending upon content.

**HSPR 40970 - Honors Directed/Independent Study (1.00-6.00)**

An Honors student interested in undertaking special directed/independent study may, with appropriate permission from instructor and Honors dean, register for HSPR 40970 for 1 to 6 hours of credit. Under special circumstances, this course may be used in lieu of an Honors Colloquium to fulfill requirements for lower-division honors or upper-division university honors.

## IDEA - IdeaFactory

### Courses Folder

**IDEA 10523 - Planning for College Success (3)**

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.

**IDEA 20970 - Special Problems (1.00-3.00)**

Special problems in IdeaFactory. Credits 1-3

**IDEA 30001 - Life Design (1)**

This course provides an exciting, eye-opening, and useful inquiry into what it takes to create a meaningful college career (and after) on your own terms. This course uses design thinking to address designing your life as it relates to college experience and career exploration. The class offers all of this in a friendly environment where we'll work on these issues through assigned readings, reflections, and in-class exercises. The course employs a design thinking approach to help students, from any major, develop a constructive and effective approach to finding and designing their current college experience and career after TCU.

**IDEA 30002 - Professional Careers: Planning & Decision-making (2)**

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.

**IDEA 30153 - Human Centered Design (3)**

The course is an introduction to the tenants of human centered design (also known as design thinking). These tenants include empathetic based research, synthesis tools, ideation, prototype and iteration. The course will examine several types of innovation in a variety of contexts and students will apply creative problem solving tools to create innovation. This is a team based, hands on approach to problem solving and critical thinking. Students will use learn a variety of theories, frameworks and models to refine and test new ideas.

**IDEA 40970 - Special Problems (1-3)**

Special problems in IdeaFactory. Credits 1-3

**IDEA 40903 - Independent Research (1-3) (1-3)**

Independent research supervised by faculty mentor. Specific topics and scope determined in collaboration between student and faculty. Specific schedule, meetings and deliverables will be included in a project scope contract. Credits 1-3.

**IDEA 40993 - Internship (3)**

Internship with emphasis on social innovation, nonprofit organizations, creativity, innovation, human centered design. Students are expected to send 125 hours in the internship (for three credits). Permission of director required for placement. The course includes bi-weekly check ins with faculty.

## IDFM-Interior-Des-Fash-Merchands

**IDFM 10243 - Introduction to the Fashion Industry**

Prerequisite: Merchandising major or permission of chair. A 2.5 GPA is required for non-majors to enroll. Comprehensive introduction to the terminology, processes, practices, and interrelationships involved in marketing fashion goods and services.

**IDFM 10403 - Space and Color Theory**

Prerequisites: Pre-major in Interior Design or permission. Study of color theory as it applies to the built environment.

**IDFM 10411 - Hand Sketching for Interiors**

Prerequisites: Pre-major in Interior Design or permission. Introduction to hand sketching for 3 dimensional spaces. Emphasis on quick sketching techniques from observation of the built environment.

**IDFM 10413 - Design Fundamentals**

Prerequisite: Pre-major in Interior Design or permission. A design introduction to the traditions of space, form, light and color perception. Freehand sketching, and mechanical drawing used to create spatial representations.

**IDFM 10421 - Introduction to Space Planning**

Prerequisites: Pre-major in Interior Design major or permission. An introduction to interior space planning. Students are instructed in industry standard processes and methods for interior space planning.

**IDFM 10423 - Introduction to Interior Design**

An introduction to the discipline and profession of interior design.

**IDFM 10433 - Freshman Seminar in Interior Design and Fashion Merchandising (3)**

Topics may vary each time it is offered.

**IDFM 20243 - Consumers in the Marketplace**

Prerequisites: Must be a Merchandising major, PSYC 10213 or PSYC 10514 or PSYC 10524, and a grade of 'C' or better in IDFM 10243. Study of consumer decision-making processes and the socio-psychological factors that influence the consumption of fashion products.

**IDFM 20253 - Textile Fundamentals**

Prerequisites: Merchandising major, a grade of 'C' or better in IDFM 10243. Integrated lecture and lab. Process of producing fibers, yarns and fabrics, and their use in appropriate products.

**IDFM 20263 - Fashion Drawing Fundamentals**

Prerequisites: Merchandising major. Development of illustration skills to produce technical flats of garments, exploration of color theory, design principles and elements, concept development, presentation skills, and basic fashion illustration.

**IDFM 20273 - Apparel Construction**

Prerequisites: Merchandising major. Integrated lecture and lab. Development of basic sewing skills as applied to sewn goods. Understanding of proper fit and quality construction of apparel.

**IDFM 20283 - Fashion Communications**

Prerequisites: Merchandising major, a grade of 'C' or better in IDFM 10243. Analysis of the communication methods used by textile producers, apparel manufacturers, and retailers to disseminate product and brand information to consumers and the trade.

**IDFM 20291 - MS Excel for Merchandising**

Prerequisites: Merchandising major, a grade of 'C' or better in IDFM 10243. Introduction to Microsoft Excel. Emphasis on creating Excel spreadsheets using formulas and functions and applying Excel skills and tools in problem solving."

**IDFM 20303 - Topics in Design and Merchandising**

Prerequisites: Declared merchandising or interior design major and permission of instructor. The study of selected topics in Design and Merchandising. These topics will vary and may be repeated for credit with different course material.

**IDFM 20413 - Applications in Design Process and Theory**

Prerequisites: Must be a declared Interior Design major; a grade of 'C' or better in IDFM 10411, 10413, 10421 and 10423. Introduction to the application of interior design and architectural theory within the design process.

**IDFM 20433 - Interior Design Illustration (3)**

Prerequisites: A grade of 'C' or better in IDFM 10403 and 20453; a grade of "C" or better in ARGD 20453. Topics include shade and shadows. Interior illustration techniques using plans, elevations and perspectives illustrated in marker, line, tone and color.

**IDFM 20443 - Interior Design I**

Prerequisites: A grade of 'C' or better in IDFM 10403, 20413 and 20453; a grade of "C" or better in ARGD 20453. The design of interiors with a focus upon residential spaces."

**IDFM 20453 - Interior Components**

Prerequisite: Must be a declared Interior Design major; a grade of 'C' or better in IDFM 10411, 10413, 10421, and 10423. Introduction to the selection and specification of interior materials.

**IDFM 20463 - Building Systems and Interior Construction**

Prerequisites: a grade of "C" or better in IDFM 10403

Prerequisite: 20413 and 20453; a grade of "C" or better in ARGD 20453. A study of architectural and construction factors affecting interior design." Corequisite: 10453.

**IDFM 20503 - Fundamentals of Lighting**

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.

**IDFM 20513 - Digital Media in Lighting**

Prerequisites: A grade of 'C' or better in IDFM 20503. This course is focused upon industry-specific digital media used in architectural lighting design. Students will learn how to utilize AutoCAD to create architectural lighting design documents, how to generate day lighting and electric lighting calculations through the AGi32 software, and how to

craft renderings through a blending of by hand and digital renderings from AGi32 and Adobe Photoshop.

### **IDFM 30003 - Honors Tutorial in Interior Design and Fashion Merchandising (3)**

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. IDME 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.

### **IDFM 30073 - Digital Media for Interior Design**

Prerequisites: A grade of 'C' or better in IDFM 30413, 30093, 30423, and 30473. Application of industry-specific software for interior design.

### **IDFM 30093 - Professional Practices I**

Prerequisite: A grade of 'C' or better in IDFM 20433, 20443, and 20463. Career research and development of employment resources in preparation for interior design internship. Includes design of visual portfolio.

### **IDFM 30213 - History of Costume (3)**

Prerequisite: Merchandising major, and a grade of 'C' or better in IDFM 20253, 20283. Study of the interrelationship between costume and the social, cultural, political and economic environment through the 19th century.

### **IDFM 30223 - History of Contemporary Dress (3)**

Prerequisite: Merchandising major, and a grade of 'C' or better in IDFM 20253, 20283. Study of the interrelationship of costume with the social, cultural, political and economic environment from the 20th century to the present.

### **IDFM 30233 - History of Modern Dress and Culture**

Prerequisites: Merchandising major, and a grade of "C" or better in IDFM 20253. The study of the interrelationship of costume with social, cultural, political and economic environments through a comparison study of civilizations from ancient times through to present day. Students may not receive credit for both IDFM 30213 and IDFM 30233, or IDFM 30223 and IDFM 30233. This course is not a substitute for IDFM 30213 and IDFM 30223.

Corequisite: cultural.

### **IDFM 30253 - Merchandise Buying**

Prerequisite: Merchandising major, TCU Core Math requirement, ECON 10223 or 10233, and a 'C' or better in IDFM 20253, 20263, 20273, 20283 and 20291. An analysis of the concepts and tools required for planning, buying and selling merchandise assortments within the soft goods supply chain.

### **IDFM 30263 - Product Development (3)**

Prerequisite: Merchandising major, CORE math, and a grade of "C" or better in ARGD 20453; and a grade of "C" or better in IDFM 30273 or concurrent enrollment. Process of product development including research, line development, materials selection, fabric and style specifications, costing, merchandising, and marketing of the line. Identifying stitch and seam classifications, and discussion of production techniques and quality considerations.

### **IDFM 30273 - Digital Design (3)**

Prerequisites: Merchandising major; a grade of "C" or better in IDFM 20253, 20263, and 20273. Integrated lecture with lab. Use of current industry software applications to develop textile designs, technical flat illustrations and presentation skills.

### **IDFM 30283 - Technical and Creative Apparel Design**

Prerequisites: Merchandising major, a grade of 'C' or better in IDFM 20253 and 20273. The creative and technical processes used for design and development of apparel products including industry techniques for pattern development, style and fit analysis, and advanced construction methods for assembly and production.

### **IDFM 30291 - Career Development for Merchandising (1)**

Prerequisites: Must be a Merchandising major; a grade of "C" or better in IDFM 20253 and IDFM 20283. 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, including resume writing, interviewing, leadership concepts and effective communication and advancement skills.

### **IDFM 30413 - Interior Design II**

Six studio hours per week. Prerequisites: A grade of 'C' or better in IDFM 20433, 20443, and 20463. Interior design of small-scale commercial spaces.

### **IDFM 30423 - Architectural Components**

Prerequisite: A grade of 'C' or better in IDFM 20433, 20443, and 20463. Production of a set of interior construction drawings completed through digital drawing using industry software.

### **IDFM 30433 - Rendering Techniques (3)**

Six studio hours per week. Prerequisite: A grade of 'C' or better in IDFM 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.

### **IDFM 30473 - History of Interiors I**

Prerequisites: ENGL 20803 or ENGL 20833; Interior design major or by permission, A grade of 'C' or better in IDFM 20433, 20443, and 20463. History of the style of architecture, interiors, furnishings and decorative arts from the Stone Age to 1900 A.D.

### **IDFM 30483 - History of Interiors II**

Prerequisite: A grade of 'C' or better in IDFM 30093, 30413, 30423, and 30473; ENGL 20803 or 20833; Interior design major; or permission of the department. History of the styles of architecture, interiors, furnishings, and decorative arts after 1900 A.D.

### **IDFM 30493 - Interior Design III**

Prerequisites: A grade of 'C' or higher in IDFM 30093, 30413, 30423, and 30473. The design of mid-scale commercial interiors.

### **IDFM 30503 - Lighting and the Human Experience**

Prerequisite: A grade of 'C' or better in IDFM 20503. Students will delve into the interdisciplinary factors of lighting and the human experience. The course will draw from anthropology, psychology, neurobiology and sociology to explore how lighting is perceived and experienced by groups and individuals. Students participate in field studies, writing assignments, research projects, and presentations.

### **IDFM 30513 - Lighting for Interior Design I**

Prerequisites: A grade of a 'C' or better in IDFM 20503 and 20513. This course will delve into lighting design for retail, residential, and hospitality project types. Students will conduct research by means of field studies. Design process will be explored through studio style lighting design projects.

### **IDFM 30990 - International Residential Study (1.00-20.00)**

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.

### **IDFM 39990 - International Residential Study (1.00-20.00)**

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.

### **IDFM 40003 - Senior Honors Project (3)**

Prerequisite: Departmental major, enrollment in the Honors Program and completion of IDFM 30003. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. IDFM 40003 must be completed prior to the student's final semester of undergraduate work. May be based on subject matter explored in IDFM 30003.

### **IDFM 40013 - Entrepreneurship in Merchandising**

Prerequisites: Merchandising major, a 'C' or better in IDFM 30253, and ENGL 20803 or ENGL 20833. Introduction to the opportunities, risks and management problems involved in establishing and operating new enterprises related to the major. Emphasis is on business plan development.

**IDFM 40053 - Lighting for Visual Presentation (3)**

Prerequisites: A grade of 'C' or better in IDFM 10453, 20283, and THEA 21413 or permission of instructor. Students conduct research by means of case and field studies to enhance experiential learning and explorations into the interrelationship between lighting and merchandising with a 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.

**IDFM 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.

**IDFM 40203 - Appearance and Dress**

Prerequisite: Merchandising major, ENGL 20803 or 20833, and a 'C' or better in IDFM 30233, or both 30213 and 30223. Exploration of methods used to investigate, develop insights into, and formulate statements about clothing and appearance behavior. Emphasis on the development of critical thinking and writing skills.

**IDFM 40223 - Advance Topics in Merchandising**

Prerequisites: Declared merchandising major and permission of department. The study of selected topics in Merchandising. These topics will vary and may be repeated for credit with different course material.

**IDFM 40243 - Global Trade of Textiles and Apparel**

Prerequisites: Merchandising major, ECON 10223 or 10233, IDME 30291. Study of the economic principles involved in the production, marketing and distribution of textiles and apparel in relation to the global market.

**IDFM 40253 - Textile Testing and Analysis**

Prerequisites: Merchandising major; a 'C' or better in IDFM 30263. Two hours lecture and one lab per week. Testing and analyzing the performance of textile products using standardized test methods and industry specifications. Emphasis is on identifying quality and performance characteristics of sewn products.

**IDFM 40263 - Merchandise Planning and Analysis (3)**

Prerequisites: Merchandising major, a grade of "C" or better in IDFM 30253. Emphasis on merchandise sales forecasting and analysis, inventory planning and control, assortment planning, merchandise allocation, and vendor relationships.

**IDFM 40283 - Fashion Internship**

Prerequisites: TCU cumulative 2.5 GPA, Merchandising major, IDFM 30253, 30263, and a grade of 'C' or better in IDFM 30291. Supervised full-time work experience in a fashion related establishment. Weekly journals, assigned papers and projects will be required.

**IDFM 40401 - Interior Design Senior Show (1)**

Co-requisites: IDFM 40474 and 40433. 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. (This course is only offered as P/NC.)

**IDFM 40403 - Interior Design Senior Thesis Exhibition**

Co-requisites: IDFM 40474 and 40433. 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.

**IDFM 40423 - Advanced Topics in Interior Design (3)**

Prerequisites: Declared interior design major and permission of department. The study of selected topics in Interior Design. These topics will vary and may be repeated for credit with different course material.

**IDFM 40433 - Interior Design Research**

Prerequisites: A grade of 'C' or better in IDFM 30493, 30073, 30483, and 40493. Advanced processes of programming and research methods in preparation for thesis project in IDFM 40473, Interior Design V.

**IDFM 40453 - Professional Practices II**

Prerequisite: A grade of 'C' or better in IDFM 40463 and 40433. Business practices, management and professional procedures for the interior designer.

**IDFM 40463 - Interior Design IV**

Prerequisites: A grade of 'C' or better in IDFM 30493, 30073, 30483, and 40493. Design of large-scale commercial interiors.

**IDFM 40473 - Interior Design V**

Prerequisite: A grade of 'C' or better in IDFM 40463 and 40433. Design of senior thesis project for interior design. Content for the individualized design project is developed in IDFM 40433.

**IDFM 40493 - Interior Design Internship**

Prerequisite: A grade of 'C' or better in IDFM 30073, 30483, and 30493. Supervised apprenticeship with a professional interior designer or architectural firm. Seminar and work experience hours to be arranged.

**IDFM 40503 - Lighting for Interior Design II**

Prerequisites: A grade of 'C' or better in IDFM 20503 and 20513. This course will delve into lighting design for commercial interiors and healthcare project types. Students will conduct research by means of field studies. Design process will be explored through studio style lighting design projects. The semester will culminate with participation in a lighting design competition.

**IDFM 40513 - Senior Thesis in Lighting**

Prerequisites: A grade of 'C' or better in IDFM 20503 and 20513 is required. Students will conduct independent research and a design project with specific focus into a lighting topic associated with in the built and/or natural environment.

**IDFM 40970 - Special Problems (1.00-6.00)**

Prerequisites: Permission of Instructor. Hours to be arranged. Special problems requiring independent research and study within a related area, or field experience in design. (1-6 semester hours)

## IELP - Intensive English Language

**IELP 412 - Advanced Intensive English I (2)**

Advanced Intensive English I

**IELP 422 - Advanced Intensive English II (2)**

Intensive English II

## INDE - Interior Design

**INDE 10403 - Space and Color Theory (3)**

Prerequisites: Pre-major in Interior Design, Minor in Design of the Built Environment or permission. Study of color theory as it applies to the built environment.

**INDE 10411 - Hand Sketching for Interiors (1)**

Prerequisites: Pre-major in Interior Design, Minor in Design of the Built Environment or permission. Introduction to hand sketching for 3 dimensional spaces. Emphasis on quick sketching techniques from observation of the built environment.

**INDE 10413 - Design Fundamentals (3)**

Prerequisite: Pre-major in Interior Design, Minor in Design of the Built Environment or permission. A design introduction to the traditions of space, form, light and color perception. Freehand sketching, and mechanical drawing used to create spatial representations.

**INDE 10421 - Introduction to Space Planning (1)**

Prerequisites: Pre-major in Interior Design major, Minor in Design of the Built Environment or permission. An introduction to interior space planning. Students are instructed in industry standard processes and methods for interior space planning.

**INDE 10423 - Introduction to Interior Design (3)**

An introduction to the discipline and profession of interior design.

**INDE 20413 - Applications in Design Process and Theory (3)**

Prerequisites: Interior Design major; or permission of instructor. Introduction to the application of interior design and architectural theory within the design process.

**INDE 20433 - Interior Design Illustration (3)**

Prerequisites: Interior Design major; or permission of instructor. Topics include shade and shadows. Interior illustration techniques using plans, elevations and perspectives illustrated in marker, line, tone and color.

**INDE 20443 - Interior Design I (3)**

Prerequisites: Interior Design major; successful completion of INDE 20413 and 20453; or permission of instructor. The design of interiors with a focus upon residential spaces.

**INDE 20453 - Interior Components (3)**

Prerequisite: Interior Design major; or permission of instructor. Introduction to the selection and specification of interior materials.

**INDE 20463 - Building Systems and Interior Construction (3)**

Prerequisites: Interior Design major; or permission of instructor. A study of architectural and construction factors affecting interior design.

**INDE 30003 - Honors Tutorial in Interior Design (3)**

Prerequisites: Interior Design major; and permission of instructor. An examination of a significant issue affecting design. The student and faculty member will determine the specific topic and presentation format: e.g. oral, written, graphic, model, computer simulation. INDE 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.

**INDE 30073 - Digital Media for Interior Design (3)**

Prerequisite: Interior Design major; or permission of instructor. Application of industry-specific software for interior design.

**INDE 30093 - Professional Practices I (3)**

Prerequisites: Interior Design major; successful completion of INDE 20433 and 20463; or permission of instructor. Career research and development of employment resources in preparation for interior design internship. Includes design of visual portfolio.

**INDE 30413 - Interior Design II (3)**

Prerequisites: Interior Design major; successful completion of INDE 20433; or permission of instructor. Interior design of small-scale commercial spaces.

**INDE 30423 - Construction Documentation (3)**

Prerequisite: Interior Design major; successful completion of INDE 20433 and 20463; or permission of instructor. Production of a set of interior construction drawings completed through digital drawing using industry software.

**INDE 30473 - History of Interiors I (3)**

Prerequisite: Interior Design, Graphic Design or Design Studies Major; or permission of instructor. History of the style of architecture, interiors, furnishings and decorative arts from the Stone Age to 1900 A.D.

**INDE 30483 - History of Interiors II (3)**

Prerequisite: Interior Design, Graphic Design or Design Studies Major or permission of instructor, and successful completion of ENGL 10803 and 20803. History of the styles of architecture, interiors, furnishings, and decorative arts after 1900 A.D.

**INDE 30493 - Interior Design III (3)**

Prerequisites: Interior Design major; successful completion of INDE 30413 and 30423; or permission of instructor. The design of mid-scale commercial interiors.

**INDE 40003 - Senior Honors Project in Interior Design (3)**

Prerequisites: Interior Design major; successful completion of INDE 30003; and permission of instructor. The execution of a project or paper reflecting creative investigation or research. Supervision by a three-member faculty committee is required. INDE 40003 must be completed prior to the student's final semester of undergraduate work. May be based on subject matter explored in INDE 30003.

**INDE 40403 - Interior Design Senior Thesis Exhibition (3)**

Prerequisites: Interior Design major; concurrent enrollment in INDE 40473; or permission of instructor. 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.

**INDE 40433 - Interior Design Research (3)**

Prerequisite: Interior Design major or permission of instructor and successful completion of ENGL 10803 and 20803. Advanced processes of programming and research methods in preparation for thesis project in INDE 40473, Interior Design V.

**INDE 40453 - Professional Practices II (3)**

Prerequisite: Interior Design major; successful completion of INDE 30093; or permission of instructor. Business practices, management and professional procedures for the interior designer.

**INDE 40463 - Interior Design IV (3)**

Prerequisites: Interior Design major; successful completion of INDE 30493, 30073 and 40943; or permission of instructor. Design of large-scale commercial interiors.

**INDE 40473 - Interior Design V (3)**

Prerequisite: Interior Design major; successful completion of INDE 40463 and 40433; or permission of instructor. Content for the individualized design project is developed in INDE 40433.

**INDE 40493 - Interior Design Internship (3)**

Prerequisites: Interior Design major; successful completion of INDE 30073, 30093, 30413, 30423 and 30493; or permission of instructor. Supervised apprenticeship with a professional interior designer or architectural firm. Seminar and work experience hours to be arranged.

**INDE 40970 - Special Problems (1.00-6.00)**

Prerequisites: Permission of Instructor. Hours to be arranged. Special problems requiring independent research and study within a related area, or field experience in design. (1-6 semester hours)

## INDS - Interdisciplinary Studies

**INDS 10110 - Special Problems in Interdisciplinary Studies (1.00-3.00)**

Special Problems in Interdisciplinary Studies. Credits 1-3

**INDS 30970 - Directed Study in Interdisciplinary Studies (1.00-6.00)**

Directed Study in Interdisciplinary Studies. Credits 1-6

**INDS 40003 - Interdisciplinary Inquiry Senior Seminar (3)**

Prerequisites: Students must have standing as a senior within the Interdisciplinary Inquiry major. For departmental honors, students must complete INDS 30970 Directed Study in Interdisciplinary Studies during the junior year. Through the Interdisciplinary Inquiry Senior Seminar, Interdisciplinary Inquiry majors conduct independent senior projects on a topic relevant to their area of study that are determined in consultation with their advisor(s) and faculty committee.

**INDS 40090 - Interdisciplinary Internship (1.00-6.00)**

Requires permission and supervision of faculty for on-campus or off-campus interdisciplinary internship. Variable credit of 1-6 hours.

## INSC-Info-Systems-Supply-Chain

**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)**

3 hours. Prerequisite: Successful completion of Excel portion of the MOS test. 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)**

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 30153 - Manufacturing and Service Operations Management (3)**

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 30263 - Introduction to Blockchain (3)**

Prerequisites: INSC 20263 with a C or better and must be admitted to the Neeley School of Business. This course is an introduction to the technical tools and techniques combined to create blockchain and the business use and implications of blockchain, cryptocurrency, and the web3 infrastructure. Students completing the three classes INSC 30263, 30273, and 30283 with at least a C earn a fintech certificate designation.

**INSC 30273 - Introduction to Machine Learning (3)**

Prerequisites: INSC 20263 with a C or better and must be admitted to the Neeley School of Business. This course is an introduction to machine learning programming through which students will learn data engineering, feature engineering, and model development. This class serves as a substitute for INSC 40843, Business Intelligence and Analytics for the BIS major. Both classes can be taken for credit. Students completing the three classes INSC 30263, 30273, and 30283 with at least a C earn a fintech certificate designation.

**INSC 30283 - Introduction to Artificial Intelligence (3)**

Prerequisites: INSC 20263 with a C or better and must be admitted to the Neeley School of Business. This course is an introduction to programming in support of artificial intelligence in the form of deep learning. To fulfill the BIS major requirements, either INSC 30823 OR INSC 30833 must be taken for credit. Both classes can be taken for credit. Students completing the three classes INSC 30263, 30273, and 30283 with at least a C earn a fintech certificate designation.

**INSC 30313 - Supply Chain Management (3)**

3 hours. Prerequisites: sophomore standing and must be a business major. Examines major tools and concepts associated with supply chain management, information systems, SC operations, logistics and transportation. (Credit not awarded for INSC 30153 and INSC 30313.)

**INSC 30321 - Supply Chain Seminar (1)**

Prerequisites: Sophomore standing and must be a business major. The objectives of this course are to develop the skills necessary for a successful professional career in supply chain management and develop a culture by integrating students with a family of faculty and business experts. Specific topics to be addressed include professional development, communication, networking, tools and techniques, and career education as it relates to supply chain career paths.

**INSC 30353 - Regression Analysis (3)**

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 30453 - Fellows Business Analytics (3)**

Prerequisites: At least a C grade in INSC 20153 and must be in the Neeley Fellows program. This course is an introduction to business analytics, which uses data and methodologies to help managers gain the insight needed to make better, data-driven decisions. This course takes a managerial approach to analytics and will allow students to understand how to utilize analytics in both a tactical and strategic role. Large corporations, small businesses, government, and not-for-profit agencies use analytics in their operations to support decision-making.

**INSC 30653 - Supply Chain Management (3)**

Prerequisites: Must be a General Business minor; completion of ACCT 20653 with C- or better; May not receive credit for both INSC 30313 and INSC 30653. Examines major tools and concepts associated with supply chain management such as: demand forecasting, inventory strategy,

procurement, logistics, transportation, quality management, service response, and supply chain information systems.

**INSC 30723 - Systems Planning and Process Analysis (3)**

3 hours. Prerequisites: INSC 20263 with a grade of C or higher; and must be a declared Business Information Systems major or a declared Supply Chain Management major. Students will learn how to analyze a business, division, or department for an enterprise. They will utilize project management and process analysis skills. Students will also apply communication skills (written, face-to-face, and presentation) in this course.

**INSC 30801 - Business Applications in Excel (1)**

1 hour. Prerequisites: Must be a Business major and junior standing. Through lectures students will learn about the use of various advanced functions of spreadsheets that will allow them to become more efficient and effective in making business decisions in the corporate environment. Students will develop skills and gain knowledge through the use of hands-on exercises to be completed outside of class.

**INSC 30823 - Data Management for Business Information Systems (3)**

3 hours. Prerequisites: INSC 20263 with a grade of C or better and must be a declared Business Information Systems 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)**

3 hours. Prerequisites: INSC 30723 with a grade of C or better; INSC 30823 with a grade of C or better; and must be a declared Business Information Systems major. Students will use the results of 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. This course will use team building skills, as appropriate. To fulfill the BIS major requirements, either INSC 30833 OR 30283 must be taken for credit. Both classes can be taken for credit. Only INSC 30283 counts as credit towards the Fintech Certificate. Students completing the three classes INSC 30263, 30273, and 30283 with at least a C earn a fintech certificate designation.

**INSC 30853 - Fundamentals of Cybersecurity (3)**

Prerequisites: INSC 30823 with a C or better and must be a declared Business Information Systems major. The rapid development of networking and data storage technology has, in many cases made data the most important asset for many corporations. This course provides a management level understanding of cybersecurity. The focus is to view the issues and practical solutions for securing information systems. Topics include such areas as the threat environment, security policy and planning, secure networks, access control, firewalls, application security and data protection. Because computer networks are such a vital part of all information systems today, this topic is addressed at a level to provide managers with an understanding of the fundamentals of cybersecurity in order to help prevent data breaches.

**INSC 30863 - Global Digital Innovation (3)**

Prerequisites: INSC 20263. The course challenges students to synthesize and apply learning as they engage with various companies, technologies, people, and issues in international settings. On site investigations, field trips and guest lectures will provide diverse global perspectives related to topics such as, e.g., implication of globalization to digital innovation, societal consequences of digital technologies, changing nature of work and life in digital economics, new business models enabled by digitization, digitization of economies, industries, societies, and culture.

**INSC 30990 - International Residential Study (1.00-20.00)**

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 40010 - Business Information Systems Internship I (1.5)**

1.5 hours. Prerequisites: INSC 30823 with a grade of 'C' or better; INSC 30833 with a grade of 'C' or better and senior standing; and must be a declared Business Information Systems major. A 320-hour internship



with a corporation, a non-profit or governmental agency allowing the student gain professional experience that integrates the theory and practice of information systems. Internships are during the summer following the completion of the prerequisites and must be approved by the department chair or another designee.

#### **INSC 40020 - Business Information Systems Internship II (1.5)**

1.5 hours. Prerequisites: INSC 40010 with a grade of 'C' or better; senior standing; and must be a declared Business Information System major. The course is a follow-up to the 320-hour summer professional internship experience (INSC 40010) and examines how the theory and practice of business information systems was applied during the internship.

#### **INSC 40030 - Senior Honors Research Paper (1-3)**

1-3 hours. Prerequisite: Honors section of MANA 30153 and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member. May be taken for up to three credit hours.

#### **INSC 40033 - Senior Honors Research Paper (3)**

Prerequisite: Departmental permission and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

#### **INSC 40303 - Demand Planning and Management (3)**

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)**

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)**

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)**

3 credit hours. Prerequisites: Concurrent enrollment in 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)**

3 credit hours. Prerequisites: Must be a declared Business major; a grade of 'C' or better in INSC 30313; a grade of 'C' or better in INSC 40353. 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 (3)**

Prerequisites: INSC 30313 and 30321 and 40303 and 40313 and 40323 and 30723, all 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 Project Course (3)**

Prerequisites: Must be a declared Business major. INSC 30313 and permission from Department Chair. This course is 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. Students will be assigned an in-depth supply chain development or improvement project within a company.

#### **INSC 40373 - Supply Chain Capstone Project Course (3)**

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 40383 - Intelligent Enterprise Systems (3)**

Prerequisites: INSC 30313, INSC 30801, and INSC 30723, all with a grade of C or better, and must be a declared Business Information Systems major or a declared Supply Chain Management major. With a myriad of technologies being used in the end-to-end operations of most organizations, this course is designed to introduce students to the underlying need for business process integration in large organizations, the problems with traditionally fragmented information systems, the need for creating an intelligent enterprise, and how an organization can acquire or build 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 and the use of advanced technologies. Students will become acquainted with one particular software package - SAP S4/Hana, including its architecture and user interface, and will become knowledgeable about the issues and challenges in introducing and integrating such systems into large organizations.

#### **INSC 40803 - Business Information Systems Architecture (3)**

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 Capstone (3)**

Prerequisites: One of INSC 30833, 30273, or 30283 with a grade of 'C' or better and must be a declared Business Information Systems major. Using an existing organization, students will undertake team-based consulting projects. They will complete a corporate project from requirements gathering through recommending a solution. 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)**

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 information systems

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 Business Information Systems. The topics and trends section of this course will be constantly changing to reflect the dynamics of the Internet.

### **INSC 40843 - Business Intelligence and Analytics (3)**

Prerequisites: INSC 20263 with a grade of 'C' or better. This course is an introduction to the fundamentals of business intelligence (BI) and analytics. Business intelligence and analytics allow for the transformation of raw data into information and knowledge that can be used by managers for the purpose of decision-making. The domain of BI is in the gathering and storage of data. Analytics is considered the task of analyzing and modeling the data to provide competitive information to planners and decision makers. Through the use of the BI and analytics, organizations have potential to build competitive strategies around data-driven insights that yield superior business performance. Examples of analytics in action include the analysis of profitable customers, supply chain optimization, market basket analysis for online sales, recruitment and retention of human resources, among other potential examples. Real-world case studies will show students the ways organizations are using BI and analytics to support both tactical and strategic decision-making. To fulfill the BIS major requirements, either INSC 40384 OR 30273 must be taken for credit. Both classes can be taken for credit. Only INSC 30273 counts as credit towards the Fintech Certificate. Students completing the three classes INSC 30263, 30273, and 30283 with at least a C earn a fintech certificate designation.

### **INSC 40970 - Special Problems in Information Systems and Supply Chain Management (1.00-6.00)**

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

## **INTL - International Studies**

### **INTL 30203 - Topics in Global Studies (3)**

3 credit hours. This course explores cultural and social influences on global issues and the challenges and opportunities for collaboration across economic, political, religious, and cultural dimensions. Students will interact with the international community to examine the role of individuals, organizations, and communities on the designated topic and to compare global perspectives. Various issues that may be studied include sustainability, social justice, ethical leadership, healthcare, and development.

### **INTL 30301 - Exploring Global Citizenship I (1)**

This seminar provides study abroad students with theoretical frameworks and on-site application of the competencies needed for effective and appropriate engagement with people and issues in the world. Students will use their time abroad to interact with and reflect on the local community in unique ways as they develop the skillsets of global citizenship. The course also prepares students for INTL 30302, Exploring Global Citizenship II, upon their return.

### **INTL 30302 - Exploring Global Citizenship II (2)**

Prerequisite: INTL 30301 or permission of instructor. This course is intended as a capstone for students to use the knowledge and skills gained during their study abroad experience as a springboard for global citizenship. The course covers regions and issues of the world, contextualizing students' first-hand experiences within historical, geographical, cultural, and religious phenomenon and exploring global realities from multiple perspectives. Special attention is placed on defining global citizenship and personal responsibility in the world, including how to take the competencies developed abroad and apply them in engagement with global issues.

### **INTL 30341 - Global Academy I: Exploration of Global Issues (1)**

1 credit hour. This seminar explores global issues from a variety of perspectives and prepares students for participation in the TCU Global Academy. A particular emphasis is placed on examining the tension between competing individual, cultural, and global forces. Solution-based approaches that address environmental, economic, and social sustainability will be explored. Topics may include health, education,

clean water, social inequities, wildlife preservation, and economic growth.

### **INTL 30342 - Global Academy II: Collaboration on Global Issues (2)**

2 credit hours. Prerequisites: INTL 30341. This seminar challenges students to synthesize and apply learning as they engage with people and issues in the world through the TCU Global Academy. The course typically involves a component abroad utilizing onsite investigation, field trips and guest lectures to provide diverse global perspectives on the given topic. A particular emphasis is placed on examining the tension between competing individual, cultural, and global forces. Solution-based approaches that address environmental, economic, and social sustainability will be explored. Topics may include health, education, clean water, social inequities, wildlife preservation, and economic growth.

## **INTR - Interdisciplinary**

### **INTR 30101 - Interdisciplinary Exploration of Global Issues**

1 credit hour. This one hour seminar explores global issue(s) in an interdisciplinary context. The seminar will prepare students for participation in the TCU Global Academy--a holistic approach to study abroad designed to investigate a paramount global issue. TCU Global Academy is intended to move from one corner of the world to another depending upon where the topic is most dominant. The topic of this seminar will depend upon the theme of the Global Academy for any given year. Various global issues that could be studied include sustainability, social justice, ethical leadership, healthcare, and many other topics. Onsite investigation, field trips and guest lecturers will be utilized to gain a U.S. and global perspective on the given topic. Students intending to participate in the Global Academy must participate in the seminar the semester immediately prior to the Global Academy.

### **INTR 30103 - Introduction to Interdisciplinary Studies (3)**

As the foundational course for the Interdisciplinary Inquiry Major, this course is designed to introduce students to the nature of interdisciplinary inquiry as an academic pursuit as well as to have students begin developing their individual focus for their own inquiry during their program. Students will explore what interdisciplinary scholarship is, and how their interdisciplinary pursuits can contribute to their long-term educational and career goals.

### **INTR 30203 - TCU Global Academy**

3 credit hours. Prerequisite: INTR 30101. The TCU Global Academy explores global issues within an international and interdisciplinary context. Students and faculty from TCU interact with international faculty, students and members of the community in an interdisciplinary approach to study a global issue(s) of world relevance. Various issues that may be studied include sustainability, social justice, ethical leadership, healthcare, and many other topics. The particular issues and location depends upon the most paramount global issue at the time. Teams of U.S. and host country students, faculty, and community leaders will utilize onsite and service-learning, lectures, intensive journaling and reflection to compare U.S. and host country perspectives on the designated topic.

### **INTR 30253 - Scotland and the Scots (3)**

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.

### **INTR 30302 - TCU Global Academy: The Capstone Project**

2 credit hours. Prerequisites: INTR 30101 and 30203. TCU Global Academy: The Capstone Project is the mechanism for students to synthesize and apply lessons learned from the TCU Global Academy in context of the their area of study as well as the relationship to other disciplines. The Capstone Project must integrate an interdisciplinary approach to the Global Academy topic and demonstrate application to the student's field of study. Capstone projects must integrate interaction with faculty, students, and community leaders from TCU and the Global Academy in order to demonstrate the essential interdisciplinary approach to addressing global issues and to make informed judgements.

### **INTR 30403 - Epistemology and Methods (3)**

Prerequisites: INTR 30103. Students will be introduced to various inquiry paradigm, with an emphasis on critically evaluating each epistemological stance as an avenue for defining and communicating truth. They will learn inquiry methods derived from these paradigms (including arts-based and action research approaches), and how researchers can critically evaluate the trustworthiness of any inferences, interpretations, judgments, or actions based on inquiry findings. Students will defend their own epistemological stance as a basis for developing and carrying out their Capstone project in INTR 40103.

### **INTR 40103 - Interdisciplinary Inquiry Major Capstone Project (3)**

Prerequisites: INTR 30103 and 30403. As the capstone course for the Interdisciplinary Inquiry Major, this course is designed as a practical course to facilitate students in their conceptualization and completion of their capstone project in a thoughtful, ethical manner that contributes toward their broader educational and career goals.

## **ISLP - Intensive Spanish Language**

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

Intensive Spanish I

## **ITAL - Italian**

### **ITAL 10153 - First Semester College Italian (3)**

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 (3)**

Prerequisite: ITAL 10153 with a grade of C- or better, or permission. Continuation of 10153.

### **ITAL 20053 - Third Semester College Italian (3)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

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 30003 - Junior Honors Seminar (3)**

Prerequisites: Dept permit. ITAL 20063 with a grade of B or better. A directed study course open to Honors students who wish to do research on a topic in Italian Studies in preparation for writing the honors thesis in ITAL 40003 (Senior Honors Seminar). Students are required to produce an annotated bibliography, a clearly articulated thesis, and a detailed outline.

### **ITAL 30053 - Advanced Written and Oral Communication (3)**

Prerequisites: ITAL 20063 with a grade of C- or better, or permission. This course focuses on short readings, writing short compositions, and use of idiomatic expressions in Italian at the intermediate level. This course is taught entirely in Italian and counts toward the minor in Italian.

### **ITAL 30063 - Italian Culture as Reflected in Italian Cinema (3)**

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 30073 - Italian Theater (3)**

Prerequisites: ITAL 30053 or ITAL 30063. This course explores exemplary works of Italian theater from the 16th to the 20th century with the goal of providing students with an introduction to the canonical texts of the Italian theatrical tradition. Plays by Machiavelli, Goldoni, Manzoni, Mascagni, and Pirandello will be read, discussed, and performed in the class in order to aid students in their continuing development of Italian language skills. The course is taught in Italian; all reading will be in Italian.

### **ITAL 30083 - La Novella Italiana: Topics in the Italian Short Story (3)**

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 (WEM) 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 30093 - Societa' Italiana: The Mosaic of Contemporary Italy (3)**

Prerequisites: ITAL 20063 (or equivalent) with a grade of C- or better, or permission. Through the study and analysis of themes and constructs that range from the evolution of gender roles and the family structure to the linguistic richness and variation throughout the Peninsula, students will continue to perfect reading, writing, and speaking skills in the Italian language while developing a profound understanding of the rich, human mosaic that is modern Italy. This course is taught exclusively in Italian; all reading and coursework are in Italian.

### **ITAL 30143 - French and Italian Traditions in Opera and Literature (3)**

This cross-disciplinary course explores and compares French and Italian culture through the theme of famous operas based on French literature. Students will study works of writers such as Victor Hugo and Alexandre Dumas fils, and composers Giuseppe Verdi and Giacomo Puccini through educational excursions and performances in historic sites. The course provides for independent research projects and language instruction in Italian and French.

### **ITAL 30153 - Dante's Inferno (3)**

This course will examine Dante Alighieri's *Inferno*, the first canticle of his epic poem known as *The Divine Comedy*. *Dante's Comedy*, produced during a period of rapid transition, is one of the great works of World literature and a foundational text for Medieval culture, both pagan and Christian. In this course, we will study Dante's epic poem in its historical context and how it relates to our own world, given that *The Divine Comedy* is ultimately about an individual's search for meaning. We will see how Dante's allegorical and mystical journey to God unfolds through a series of precise descriptions of characters, settings, and concrete episodes that comprise the vast world of the great narrative poem. Students will gain a critical understanding of this literary masterpiece as well as the cultural context in which it was produced. The course is taught entirely in English; all readings are in English.

### **ITAL 30163 - Southern Italy as Reflected in Italian Cinema (3)**

Prerequisites: ITAL 20063, or the equivalent. This course examines stereotypes of southern Italy as depicted in Italian cinema from neorealism to the present. Spoken and written Italian skills are developed through authentic readings, class discussion and student presentations. Taught in Italian.

**ITAL 30176 - Study Abroad in Italy: Language and Culture (6)**

Prerequisites: ITAL 10163 with a grade of C- or higher. A summer course conducted by TCU in Italy. 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.

**ITAL 30623 - Topics in Italian Cinema (3)**

Investigation of the historical and cultural developments of Italian cinema including the examination of film structure and aesthetics in the selected cultural setting particular to Italy. This course is taught in English.

**ITAL 30970 - Independent Study in Italian (1.00-6.00)**

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 (1.00-6.00)**

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 (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 40003 - Senior Honors Seminar (3)**

Prerequisites: Dept permit. ITAL 30053 with a grade of B or better. A directed study course open to Honors students for writing the honors thesis based on research conducted in ITAL 30003 (Junior Honors Seminar). The paper is to be approved by the two designated professors of the department.

**ITAL 40023 - Seminar in Italian Studies (3)**

Prerequisites: At least one 30000-level ITAL course (or equivalent) taught in Italian with a grade of C- or better, or permission by the instructor. This course will advance student communicative skills in the target language as well as student inter-cultural competencies through the study and in-depth analysis of one more relevant socio-cultural aspects of present-day Italy. The course will be structured around one or more modules, with each module focusing on a specific topic, which may be an author, genre, period, cultural movement, episode, or theme.

**ITAL 40970 - Directed Study in Italian (1.00-6.00)**

Directed Study

## JAPAN - Japanese

**JAPAN 10153 - First Semester College Japanese (3)**

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.

**JAPAN 10163 - Second Semester College Japanese (3)**

Prerequisite: JAPAN 10153 with a grade of C- or better, or permission. Continues JAPAN 10153.

**JAPAN 20053 - Third Semester College Japanese (3)**

Prerequisite: JAPAN 10163 with a grade of C- or better, or permission, or acceptable score on appropriate competency test. Continues JAPAN

10163. Further develops aural comprehension, speaking, reading, and writing skills. Assignments will include written work in Japanese.

**JAPAN 20063 - Fourth Semester College Japanese (3)**

Prerequisite: JAPAN 20053 with a grade of C- or better, or permission. Continues JAPAN 20053.

**JAPAN 20990 - International Residential Study (1.00-20.00)**

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.

**JAPAN 29990 - International Residential Study (1.00-20.00)**

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.

**JAPAN 30990 - International Residential Study (1.00-20.00)**

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.

**JAPAN 38990 - International Residential Study (1.00-20.00)**

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 - Journalism

**JOUR 10103 - Media and Society (3)**

Open to students in all departments. This course is designed to help students understand and identify the effects media has on society, and examine benefits and potential negative effects of various media content. Students will also develop an informed, critical, and practical understanding of communication media, including analysis of digital media and the goals and methods of various media industries.

**JOUR 10113 - Media Writing and Editing (3)**

Prerequisite: Open to Journalism majors and minors and News and Media Study majors only. Introduction to basic writing skills of journalism, advertising, and public relations. Style and story structure for the print and electronic media.

**JOUR 10203 - Introduction to Journalism (3)**

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 10303 - Introduction to Visual Journalism (3)**

Prerequisites: Open to Journalism and News and Media Studies majors and minors only. This course will introduce students to video and photography, editing software and the ethical issues of visual journalism. Students will: Shoot and edit video packages, shoot and edit photographs using the principles of the industry, be introduced to the ethical constructs of visual journalism, explore the role of visual journalism in the industry.

**JOUR 20003 - Diversity and the Media (3)**

Prerequisites: Grade of C or better in JOUR 10113 or JOUR 10203. This course explores the historical, economic, legal, political and social implications of the relationship between marginalized groups 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 20101 - Introduction to Media Web Tools (1)**

An introduction to the tools needed throughout study in the Journalism department, how to update skills, and discover latest Web technologies.

**JOUR 20203 - Radio/TV Newswriting (3)**

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 all forms of media. Writing for the on-camera performer will be stressed. Required of Journalism majors and minors.

**JOUR 20453 - Interactive Communication Design (3)**

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 (1.00-20.00)**

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 (3)**

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 30204 - Reporting (4)**

Prerequisites: JOUR 10113, 10203, 10303 and 20003 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 media. Faculty supervised laboratory training provides practical experience on the TCU student media and initial instruction in multimedia skills.

**JOUR 30233 - Visual Journalism - Advanced (3)**

Prerequisite: JOUR 10303 and 30204. Advanced skills in digital photography and video in modern mass communication with goal of producing distinctive publishable images.

**JOUR 30303 - News Production (3)**

Prerequisite: JOUR 30204 with a grade of C or higher. This course introduces students to producing news for the electronic media. Writing for the on-camera performer, shooting and editing packages will be stressed.

**JOUR 30343 - Copyediting (3)**

Prerequisite: JOUR 30204. The evaluation of copy written for mass audiences, including consideration of grammar, style, precision, clarity, conciseness and implications of libel.

**JOUR 30523 - Media Marketing and Promotions (3)**

Prerequisites: A 2.0 C grade or higher in FTDM 20523; FTDM and Sports Broadcasting majors only. JOUR majors need JOUR 20313 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 (3)**

Prerequisite: JOUR 30204 and 30303 with a grade of C or higher in each. Principles and practices of news gathering, writing and editing video, audio and emerging story forms.

**JOUR 30563 - Digital Storytelling (3)**

Prerequisites: JOUR 10113 and 10303. This class is open only to journalism majors and minors and news media studies majors. This course introduces students to a multifaceted approach to online reporting and story production. Students will learn to collaboratively plan stories in a way that includes digital elements from the start, as integral and essential components. Students will begin to explore web tools that facilitate such digital storytelling, learning how to select and implement the tools in ways that enhance the value and efficacy of stories.

**JOUR 30853 - Historical Development of Mass Media (3)**

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

**JOUR 30990 - International Residential Study (1.00-20.00)**

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 32990 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (1)**

Using computers to gather and analyze information for news stories. Includes on-line search techniques and database analysis.

**JOUR 40153 - Global Communication in Context (3)**

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 - Advanced News Production (3)**

Prerequisites: JOUR 30303. Reporting, editing, and anchoring for television; application of advanced production techniques; production newscast(s) and sportscast(s).

**JOUR 40213 - Sportscast (3)**

Prerequisites: JOUR 30543. Reporting, editing, and anchoring for video; application of advanced production techniques; production of sportscast(s). Course may be taken twice for up to six hours credit.

**JOUR 40223 - Issues in Global Media (3)**

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 40443 - Issues in Coverage of Business and the Economy (3)**

Prerequisites: JOUR 30204 or JOUR 30803 and ECON 10233. The critical study of business and economic coverage in all forms of media. Students will produce a final news project appropriate to their degree plan.

**JOUR 40450 - Internship (1.00-3.00)**

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 Journalism or in public relations/advertising situations. Must work a minimum of 75 hours in approved practical experience situation for each semester hour. Variable credit up to three hours for each course. Course may be taken multiple times to reach a maximum credit of six hours in segments of one, two or three hours. Open only to Journalism majors.

**JOUR 40453 - Business Journalism (3)**

Prerequisites: JOUR 30204 or JOUR 30803. Development of skills and knowledge in coverage of business news, including breaking and in-depth reporting.

**JOUR 40463 - Public Affairs Reporting (3)**

Prerequisite: JOUR 30204. 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 (3)**

Prerequisite: JOUR 30204. Development of skills and knowledge in audience-driven news channels. Niche channels and content verticals such as entertainment, health and lifestyles are covered at the instructor's option.

**JOUR 40483 - Sports Journalism (3)**

Prerequisite: JOUR 30204. Gathering and writing the news on a sports beat. Development of skills in information-gathering, interviewing, and writing for multiple platforms. Faculty-supervised laboratory training provides practical experience on the TCU Daily Skiff and other media writing under newsroom conditions.

**JOUR 40493 - Opinion and Commentary (3)**

Prerequisite: JOUR 30204 or 30803. Editorial and other interpretive forms of media communication about public affairs, the arts and culture. Style and research for editorials, columns, critical reviews, blogs, audio and video commentaries, and other formats. The policies, problems, and responsibilities and comment functions of the press.

**JOUR 40523 - Law and Ethics of Mass Communication (3)**

Prerequisite: Senior standing, open to news and media studies majors and journalism 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 40543 - International and Intercultural Communication (3)**

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 News (3)**

Analysis of 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 news profession.

**JOUR 40563 - Media Management (3)**

This course provides an intensive study of the management, organization, and leadership structures of contemporary news media organizations and their business models.

**JOUR 40573 - Contemporary Issues in Sports Journalism (3)**

Prerequisites: JOUR 30204, or the instructor's permission. This course will examine the state and practice of sports journalism through case studies of news coverage, emerging trends, and controversial issues that reflect the sociological, psychological, political, legal, ethical, and technological influences on the coverage of organized sport.

**JOUR 40603 - Global Strategic Communication in Theory and Practice (3)**

Prerequisite: JOUR 20313 and 20403 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 (3)**

Prerequisite: Senior standing, enrollment open only to journalism and news and media studies majors. 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 - Long-Form Journalism (3)**

Prerequisite: JOUR 30204. Non-fiction journalism for long-form narratives presented in a variety of formats. Includes research methods, feature writing, audio and video documentaries and multimedia packages.

**JOUR 40773 - Media in Britain (3)**

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

**JOUR 40813 - Media in Washington (3)**

Prerequisites: Enrollment in the Washington program and permission of the director. Three credit hours. How media functions in the context of the political system in Washington. Required course for students in the Washington program.

**JOUR 40820 - Washington Internship (1-6)**

Prerequisites: Acceptance in the Washington program and permission of the designated coordinator of the Washington program, and corequisite: JOUR 40823. Maximum six credit hours. Practical experience overseen by a faculty member in a media organization in the Washington, D.C. area consistent with the student's major in Journalism or Strategic Communication. Credit hours are based on approximately 75 hours in internship activities for each semester credit hour. A maximum of six credit hours can be applied toward the Journalism or Strategic Communication major, with the remaining three hours counting as general electives outside the unit.

**JOUR 40823 - Washington Center - Portfolio (3)**

Prerequisites: Acceptance in Washington program for Journalism and Strategic Communication majors and permission of the designated coordinator of the program. Development of knowledge and skills by engaging in professional environments that applies academic knowledge to the professional world in Washington, D.C. This is accomplished through the Media Communications program and the Leadership and Civic Engagement Forum that are required of internships co-managed by our academic partner, The Washington Center, and the TCU School of Journalism and Strategic Communication's Washington program. Washington Center - Portfolio is required of all students accepted into the Washington program.

**JOUR 40833 - Washington Center Study I (3)**

Prerequisites: Acceptance in the Washington program and permission of the director. Three credit hours. This course represents credit earned through a semester study experience in Washington DC 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 grade report from the Washington Center. Courses appearing on a student's official transcript will have been included in the student's grade point average. Washington Center Study I is also a requirement of The Washington Center for participation in Washington Center programs.

**JOUR 40843 - Washington Center Study II (3)**

Prerequisites: Acceptance in the Washington program and permission of the director. Three credit hours. This course represents credit earned through a semester study experience in Washington DC 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 grade report from the Washington Center. Courses appearing on the official grade report will be included in the student's grade point average.

**JOUR 40963 - Topics in International and Ethnic Media (3)**

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 (1.00-9.00)**

Prerequisite: Permission of instructor. Variable credit. Special problem areas requiring independent or small group research and study within a related area of journalism/mass communications.

**JOUR 40983 - Multi-Platform Capstone (3)**

Prerequisites: JOUR 40203, 40453, 40463, 40643, or 40820 and senior standing. A capstone course in which students will demonstrate their ability to bring together multimedia journalistic skills and produce a significant journalistic project or product. Students must show a firm

understanding of writing, reporting, visual storytelling, research, analysis, investigative techniques and multi-platform delivery.

### **JOUR 40993 - Mass Media and Society (3)**

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 48933 - Schieffer Associates (3)**

Prerequisites: Preference is given to junior and seniors. Permission of instructor and/or department chair. This course develops the student's ability to analyze, establish and execute external and internal communication goals, strategies and tactics for a client. Students use research, discussion, peer evaluation and instructor assessment to produce creative and effective solutions to marketing and promotion challenges. The course places students in the role of communication professionals working with the Bob Schieffer College of Communication and other TCU academic units and organizations as their clients.

### **JOUR 50123 - Foundations**

Seminar devoted to the analysis and discussion of significant issues in journalism and strategic communication with a focus on related literature, research areas and professional practice. Offered as STCO/JOUR 50123.

### **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 50173 - International Reporting**

Prerequisite: JOUR 30204, 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 - Management and Leadership**

This course will give students a survey of some of the latest management and leadership communication theories and practices, including a new sense of social responsibility. Students will apply theories to solve problems in existing case studies. Cross listed as JOUR 50183.

### **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 50523 - Information Law and Policy (3)**

Prerequisites: Open to graduate students in Journalism and Strategic Communication. Undergraduate students must have passed JOUR 40523 (Law and Ethics of Mass Communication) or STCO 46403 (Law) with a grade of C or higher and must have permission of the instructor. Advanced media law course for students focusing on contemporary challenges faced by journalism and strategic communication professionals. The course emphasizes how the law of mass communication has adapted to new and emerging technologies such as the Internet and social media, with a particular focus on privacy, access to information, and intellectual property. Students will learn and apply normative legal research methods to answer modern questions relevant to professional communicators. Cross listed as JOUR 50523.

## **KINE - Kinesiology**

### **KINE 10011 - Personal Fitness (1)**

Principles, concepts, and components of physical fitness. Emphasis on design and practical implementation of individualized fitness program.

### **KINE 10101 - Introduction to Kinesiology (1)**

Prerequisite: Open to students with freshman or sophomore standing, or by permission. A discussion-based course that provides an introduction to the discipline of Kinesiology. Students will gain an understanding of career and professional options in kinesiology, exposure to relevant professional organizations, and instruction in writing, literature searches,

presentation and data management skills needed to succeed in the kinesiology major.

### **KINE 10102 - Foundations of Athletic Training (2)**

Prerequisite: ATTR majors only. An introduction to the basic skills in athletic training and the Texas Christian University athletic training program in a hands-on learning environment.

### **KINE 10202 - Perspectives in Athletic Training (2)**

Prerequisite: ATTR majors only. 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 (3)**

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 (3)**

Prerequisite: Open to students with freshman or sophomore standing, or by permission. 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 (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### **KINE 20202 - Clinical Education II (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

### **KINE 20303 - Care and Prevention of Athletic Injuries (3)**

Prerequisite: ATTR majors only. Study of recognition, prevention, reconditioning, and referral of athletic injuries.

### **KINE 20313 - Foundations of Sport Injuries (3)**

Prerequisites: KINE 10603. This course will provide an overview of the recognition and referral of sports injury for non-athletic training majors.

### **KINE 20403 - Physical Education for Elementary School Children (3)**

Prerequisite: KINE 10101 or instructor permission. 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 (2)**

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 20990 - International Residential Study (1.00-20.00)**

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.

### **KINE 30003 - Junior Honors Research (3)**

Prerequisites: Admission to the Honors College, junior standing, and permission of the department. The first of two courses required for Departmental Honors in Kinesiology to be taken in the spring semester of the junior year. In this course, the candidate will carry out a program of research under the direction of a faculty member. The student will work on the development of an extensive literature review in the intended area of research and the acquisition of the laboratory and/or research skills necessary to conduct the research project.

### **KINE 30102 - Clinical Education III (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**KINE 30202 - Clinical Education IV (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**KINE 30303 - Orthopedic Assessment I (3)**

Prerequisite: ATTR majors only. KINE 10603 and KINE 20303, or instructor permission. 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 (3)**

Prerequisite: ATTR majors only. 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 30343 - Theory of Coaching (3)**

Prerequisites: KINE 10101, 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This course is designed to examine theories and techniques in coaching that the learners need in order to gain insight into the many intangibles of coaching that, until now, could only be learned through the trial and error of experience. The course addresses the differences in levels of competitive sports, the personal roles that coaches should exhibit, the professional roles expected and the organizational influences on the world of a coach. Development of technical information, safety aspects and human relationships will be studied as well.

**KINE 30403 - Motor Behavior (3)**

Prerequisite: KINE 10101, 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. Investigation of current theories of motor control, motor learning, and their relationship to the acquisition of motor skill.

**KINE 30423 - Motor Development (3)**

Prerequisite: KINE 10101 and 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 30443 - Coaching Pedagogy & Practice (3)**

Prerequisites: KINE 30343. This course is designed to provide background and a coaching mindset and skillset.

**KINE 30503 - Fitness Assessment (3)**

Prerequisite: KINE 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisites: Kinesiology majors only -- KINE 10101. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 30523 - Exercise Assessment and Prescription (3)**

Prerequisites: KINE 10101 and 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This course is designed to cover the theory and techniques for evaluation and determination of exercise capacity and cardiovascular disease risk factors in healthy and diseased populations; exercise prescription for disease prevention and cardiac rehabilitation.

**KINE 30603 - General Pathology and Applied Pharmacology (3)**

Prerequisites: ATTR major. 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 and discuss common pharmaceuticals used in the treatment of these conditions.

**KINE 30623 - Biomechanics (3)**

Prerequisite: KINE 10101 and 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (4)**

Prerequisite: KINE 10603; Kinesiology majors only: KINE 10101; MOSC, ATTR, and HEFI only: BIOL 20214. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisite: KINE 10101, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisites: KINE 10101, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisite: KINE 10101, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisite: KINE 10101, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 30790 - Departmental Research (1.00-3.00)**

Prerequisite: Sophomore or junior standing only, and nomination and selection by faculty member in the Kinesiology Department. The purpose of this course is to provide a mechanism for students with a strong interest in research to become involved in one of the departmental research labs early in their academic careers. Students showing promise as an undergraduate researcher during their freshman year will be nominated by faculty. If they choose to accept the nomination, they will complete an application for acceptance into this course, and in the process will select a faculty mentor with whom they will work for a minimum of one credit per semester. Upon completion of three credit hours of research in this course, and completion of KINE 40103 and KINE 40793, students will earn the designation of Departmental Research Scholar.

**KINE 30803 - Adapted Physical Activity (3)**

Prerequisite: KINE 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. Kinesiology majors only also need KINE 10101. 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 (3)**

Prerequisite: KINE 10101 and 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. An overview of common disabilities and relationship to appropriate physical activity experiences. Emphasis is placed on motor, fitness, and sport needs of persons with disabilities in clinical, therapeutic, and community settings.



**KINE 30843 - Neuromuscular Pathophysiology (3)**

Prerequisites: KINE 10101 and KINE 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This course provides in-depth information on the pathophysiology of various neuromuscular disorders. An overview of motor control and atypical motor function will be presented as well as principles and clinical presentations of various motor disorders in a selected topics format.

**KINE 30990 - International Residential Study (1.00-20.00)**

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.

**KINE 33990 - International Residential Study (1.00-5.00)****KINE 40003 - Senior Honors Research (3)**

Prerequisites: Admission to the Honors College and senior standing, and KINE 30003 and 40103. The second of two courses required for Departmental Honors in Kinesiology. In this course, the candidate will carry out a program of research under the direction of a faculty member. The student will conduct the actual research project, which includes the collection, analysis, interpretation, and presentation of the data. The results of the research must be presented in poster format at the Harris College Research Symposium, and in the form of a paper written in research report format. Credit will not be given for both KINE 40003 and 40793.

**KINE 40102 - Clinical Education V (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**KINE 40103 - Seminar in Kinesiology (3)**

Prerequisite: Junior or senior MOSC or SPPS majors, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (2)**

Prerequisite: ATTR majors only. The review and evaluation of selected National Athletic Trainers' Association educational competencies and clinical proficiencies.

**KINE 40301 - Senior Seminar in Athletic Training (1)**

Prerequisites: ATTR majors only. KINE 30303, 30313, 40523, 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 (3)**

Prerequisite: ATTR majors only. 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 (3)**

Prerequisite: KINE 10101 and 10603, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisite: Kinesiology majors only need KINE 10101. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisites: KINE 10603 and KINE 30503, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. Kinesiology majors only also need KINE 10101. 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 (3)**

Prerequisites: KINE 30523, TCU cumulative GPA and KINE major GPA of 2.5 or higher, 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 (3)**

Prerequisite: ATTR majors only. KINE 20203 or instructor permission. 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 (3)**

Prerequisite: ATTR majors only. KINE 30303, KINE 30313, KINE 40523, or instructor permission. 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 40543 - Advanced Strength and Conditioning (3)**

Prerequisites: KINE 10101, 40513, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This course examines the function and adaptability of the various physiological systems involved in training for and participation in sport and tactical physical activity. Further, this course examines the role training (resistance, anaerobic, and aerobic conditioning) plays, with special emphasis on manipulation of variables associated with training in improving performance. In addition, nutritional intake, ergogenic aids, and overtraining are covered within the context of their effects on human performance.

**KINE 40623 - Physical Education for Secondary School Youth (3)**

Prerequisite: KINE 10101, 10603 and 20403, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisites: KINE 10101 and 20403, TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 40661 - Athletic Training Internship (1)**

Prerequisites: ATTR majors only, and instructor permission. Internship opportunity that allows student to gain additional experiences in various Athletic Training settings. Internships are during the summer and require approval by the Athletic Training Program Director.

**KINE 40700 - Practicum in Adapted Physical Activity (3)**

Prerequisite: Instructor permission. 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 40713 - Global Perspectives in Health: Ireland (3)**

Prerequisites: must be a student in Harris College. Permission of instructor(s) and meeting criteria established by the TCU Center for International Studies. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This course examines the cultures of Ireland in a combined local/international setting. Social and scientific factors as related to health beliefs and practices and health care delivery systems of Ireland will be examined from an interprofessional perspective. Critical analysis of selected topics will be accomplished. Open to all majors in the Harris College. This course will be taught during the spring semester with travel occurring over spring break.

**KINE 40723 - Global Sports Medicine Belize (3)**

Prerequisites: Permission of instructor(s) and meeting criteria established by the TCU Center for International Studies. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. This 3-week course is an international interprofessional education experience centered on health care and is designed for athletic training, nursing, and pre-health majors. Students will experience the culture of Belize while developing familiarity with the role of health professionals in medical, sports medicine, and educational settings. Students will engage in hands-on learning activities related to their discipline, visit academic universities training health professionals, and experience practice sites serving local populations. Coursework and travel will occur during summer session.

**KINE 40760 - Practicum in Kinesiology (1.00-20.00)**

Prerequisite: Senior standing and consent of department. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. Kinesiology majors only also need KINE 10101. Practical experience in an area of Kinesiology (1-3 semester hours.)

**KINE 40780 - Special Problems in Kinesiology (1.00-20.00)**

Prerequisite: Senior standing and permission of department. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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 (3)**

Prerequisite: Senior standing and consent of department. TCU cumulative GPA and KINE major GPA of 2.5 or higher, or instructor permission. 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. Credit will not be given for both KINE 40003 and 40793.

**KINE 40903 - Senior Internship (3)**

Prerequisite: Senior standing, a minimum of a 2.5 GPA in the major, and approval of the Kinesiology Department internship coordinator. Internship for the movement based professions. Students work with local professionals in an area related to their career interest.

**KINE 50104 - The Lower Extremity (4)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Develop an evidence-based approach to the clinical evaluation and therapeutic intervention of lower extremity pathologies.

**KINE 50113 - Organization and Administration in Athletic Training (3)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Knowledge and skills necessary to administer and manage an athletic training program including record-keeping, budget, insurance, facility principles, legal issues and professional ethics.

**KINE 50124 - Head, Neck and Spine (4)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Develop an evidence-based approach to the clinical evaluation and therapeutic intervention of head, neck and spine pathologies.

**KINE 50201 - Athletic Training Clinical II (1)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Integration of athletic training knowledge and skills with classroom instruction and supervised clinical experience.

**KINE 50214 - The Upper Extremity (4)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Develop an evidence-based approach to the clinical evaluation and therapeutic intervention of upper extremity pathologies.

**KINE 50224 - General Medical Conditions and Applied Pharmacology (4)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Evaluation and treatment of general medical conditions seen by the practicing athletic trainer and pharmaceuticals used in the treatment of these conditions.

**KINE 50301 - Athletic Training Clinical III (1)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Integration of athletic training knowledge and skills with classroom instruction and supervised clinical experience.

**KINE 50970 - Special Topics in Kinesiology (1.00-20.00)**

Prerequisite: Approval of adviser and course instructor.

**KINE 51203 - Advanced Movement Analysis (3)**

Prerequisites: KINE 10101 and 10603. Foundational and applied knowledge for conducting motor skill analysis of human movement activities.

**KINE 51413 - Psychology of Aging and Physical Activity (3)**

Prerequisites: Senior or graduate standing or permission of instructor. This course provides an overview of the major theories, research methods; empirical findings; and practical applications within psychology of aging and physical activity.

**KINE 51423 - Psychology of Injury In Physical Activity (3)**

Prerequisites: Senior or graduate standing or permission of instructor. This course will provide an overview of the psychosocial factors related to the prevention of and recovery from injuries in physical activities, including the theoretical foundations and psychological intervention strategies related to injury.

**KINE 55001 - Athletic Training Clinical I (1)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Introduction to the Athletic Training Profession and implementation of knowledge and skills in an initial immersive practice setting.

**KINE 55013 - Clinical Skills and Emergency Management (3)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Evaluation and management of acute and emergency conditions.

**KINE 55023 - Therapeutic Interventions (3)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Foundational knowledge and skills of therapeutic interventions in the treatment and rehabilitation of musculoskeletal injuries.

**KINE 55033 - Introduction to Musculoskeletal Evaluation (3)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Foundational knowledge and skills of the musculoskeletal evaluation process.

**KINE 55042 - Research in Athletic Training (2)**

Prerequisites: Admission to Master of Science in Athletic Training Program. Methods and procedures utilized in research and the evidence-based approach to making clinical decisions in athletic training.

## LAST - Latin American Studies

**LAST 40003 - Latin American Studies Senior Seminar (3)**

Prerequisites: SPAN 32703 or 32803 or equivalent. This is a critical study of contemporary Latin America from an interdisciplinary perspective within the social sciences, the humanities, and the arts, among others. This capstone course brings together the study of language, culture, and literature. Course must be taken in residence at TCU during the senior year.

## LTX - Latinx Studies

**LTX 20003 - Introduction to LTX Studies (3)**

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.

## MANA - Management and Leadership

### MANA 10533 - Interpersonal Influence in Business (3)

Topics may vary each time it is offered.

### MANA 20653 - Business Law for Minors (3)

3 hours. Prerequisites: Business minor and ACCT 20653 with minimum grade of C. This course will examine legal issues that arise in the course of doing business. Following an introduction to court systems and dispute resolution, the course will examine various business torts, contract law, the law of principal and agent, intellectual property, employment law and securities regulation.

### MANA 20970 - Special Problems in Management (1.00-6.00)

Prerequisite: Must be a business major. (1-6 semester hours) This course may be repeated for credit.

### MANA 20990 - International Residential Study (1.00-6.00)

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 will be included in the student's grade point average.

### MANA 30153 - Organizational Management (3)

3 hours. Prerequisite: Sophomore standing, and must be a declared pre-business or 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 30313 - Leader Development (3)

Prerequisites: MANA 30153 with a grade of at least C or concurrent enrollment, and must be a business major. This course cannot be taken for credit by students admitted to or enrolled in the BNSF Neeley Leadership Program. This course is designed to provide an in-depth analysis of leadership development from theoretical and practical perspectives. An emphasis is placed on opportunities for introspection regarding the manifestation and application of leadership competencies. Throughout the course, an effort is also made to assist class members with strengthening selected leadership skills that can contribute to their professional effectiveness, career success, and general well-being. To accomplish the learning goals of this course, varying instructional methodologies will be employed--including, lectures, cases, experiential exercises, self-assessments/reflection, and discussion.

### MANA 30323 - Organizational Analysis and Problem-Solving (3)

Prerequisites: MANA 30153 with a grade of at least C or concurrent enrollment, and must be a business major. This course is intended to enhance students' ability to think critically and to apply this thinking to solving meaningful organizational problems--particularly the ambiguous strategic and leadership problems that managers frequently face. Students will practice identifying problems in organizations and working to analyze key factors in order to provide solutions. Specific attention will be given to issues such as problem identification, distinguishing reliable and unreliable information, spotting flawed arguments and constructing persuasive ones, awareness of cognitive biases and unwarranted assumptions, and how to research, develop, and present viable solutions.

### MANA 30653 - Survey of Management (3)

Prerequisites: ECON 10223. Must be a business minor or receive departmental approval; completion of ACCT 20653 or concurrent enrollment. Students may not receive credit for both MANA 30653 and MANA 30153. Survey of 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.

### MANA 30703 - Business in Emerging Economies (3)

Prerequisites: Sophomore standing; must be a Business minor, or receive permission of the department. The course will provide students with foundational experience in countries with emerging economies. The goal is to provide understanding of how to do business in countries with emerging economies and how businesses operate in the base of the pyramid. Specific attention will be provided to the culture of entrepreneurship. This course is not intended for Business majors.

### MANA 30990 - International Residential Study (1.00-20.00)

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 will be included in the student's grade point average.

### MANA 39990 - International Residential Study (1.00-20.00)

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 40030 - Senior Honors Research Paper (1-3)

1-3 hours. Prerequisite: Honors Section of MANA 30153, and must be a Business major. Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member. May be taken for up to three hours.

### MANA 40033 - Senior Honors Research Paper (3)

Prerequisite: Departmental permission, and must be a Business major. Preparation for and completion 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 40153 - Strategic Management (3)

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 - Managing People and Human Resources (3)

Prerequisite: MANA 30153 with a grade of at least C or concurrent enrollment, and must be a Business major. The study of how organizations align HR and people management practices with business strategy to gain competitive advantage. Explores techniques and topics that contribute to an effective work system, including: job design, planning and recruitment, selection, training and development, team-based systems, compensation and incentives, turnover, workforce analytics, and employment law.

### MANA 40213 - Team Dynamics (3)

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 Neeley Leadership Program. Organizations rely on team-based structures to increase flexibility and responsiveness in their increasingly dynamic and unpredictable environments. Additionally, given the rapid changes of an Internet-paced global economy, organizations now rely more on teams, versus individuals, to quickly gather complex information, analyze it, and produce sound, timely decisions. As a result, modern organizational work frequently takes place within the boundaries of face-to-face or virtual teams, and knowing how teams function and how best to manage them has become vitally important for successful leadership. The purpose of this course is to expose students to and provide opportunities for them to apply practical knowledge of team dynamics.

#### **MANA 40223 - International Management (3)**

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 40323 - Organizational Research and Consulting (3)**

Prerequisites: MANA 30153 and 30323 (with a grade of at least C in both), FINA 30153 (concurrent enrollment in FINA 30153 is acceptable), and must be a business major. Concurrent enrollment in MANA 30323 is not allowed. Managers and consultants are commonly called upon to solve complex problems that require them to possess a unique set of skills. Specifically, they must be able to identify and assess problems, research available options, and create and propose possible solutions. This course introduces the research skills needed to address complex organizational problems. It also introduces practice of consultancy and gives students opportunities to apply their skills in realistic consulting contexts.

#### **MANA 40343 - Leading a Diverse Workforce (3)**

Prerequisites: MANA 30153 with a grade of at least C, and must be a business major; permission of department required for non-business majors. Diversity--be it gender, cultural, racial, or some other form--is pervasive in modern workplaces. Successful leaders must operate within this diversity, overcoming the challenges that can occur when coordinating people with different perspectives and experiences, but also reaping the rewards of those differences (e.g., creativity and innovation). This course examines leadership skills at the intersection of diversity and business. Students will explore how diversity impacts leaders' and employees' perceptions and behaviors, and in turn, how these shape important individual and organizational outcomes. The course will also look at how organizations can meet the needs of diverse employees and other stakeholders.

#### **MANA 40633 - Principles of Negotiation (3)**

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 40703 - International Management Study Abroad (3)**

3 hours. Prerequisites: permission of instructor is required, must be a Business major. The objective of the class is to expose students to different aspects of entrepreneurship, leadership, management, and business legal issues from an international perspective. The course provides the opportunity to study variations in business practices and experience distinct cultures in stark clarity in an international setting. Students will have the opportunity to experience topically relevant practices, for example by visiting local firms and interacting with business people in order to obtain a firsthand understanding of the impact of global influences. This course may be repeated for credit.

#### **MANA 40753 - Managing Business Ethics (3)**

3 hours. Prerequisites: MANA 30153 with at 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 (1.00-6.00)**

Prerequisite: Must be a business major. (1-6 semester hours) This course may be repeated for credit.

## **MARK - Marketing**

#### **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 (1.00-6.00)**

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)**

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)**

3 hours. Prerequisite: Sophomore standing, and must be a Business major. Students may not receive credit for both MARK 30153 and MARK 30653. 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 - Marketing Analytics (3)**

Prerequisite: Grade of C- or higher in MARK 30153, a grade of C- or higher in MARK 30113, and must be a Business major. To expose students to the analytical applications underlying many of the strategic marketing tools discussed at a conceptual level in lower-level marketing courses. The course will be taught from the perspective of the marketing tool such as segmentation, with students' learning the relevant data analysis application, such as cluster analysis, to execute the marketing activity. In addition to working through the analysis, analysis interpretation and relating results and recommendations to marketing management (i.e., decision makers) will also be covered.

#### **MARK 30243 - Customer Insights (3)**

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 30253 - Sports and Entertainment Marketing (3)**

Prerequisites: MARK 30153 with a grade of C- or higher and be a declared business major. Sports and Entertainment Marketing will build upon a marketing knowledge base and provide an overview of the issues faced by marketing managers both inside the sports and entertainment industry and outside the industry from firms that market through sports and entertainment. Students will be introduced to the unique qualities of the sports product and also examine the promotion mix, pricing, and distribution issues as they relate to the sports industry.

#### **MARK 30653 - Principles of Marketing (3)**

Prerequisites: Must be either a) a business minor with completion of ECON 10223 and completion or concurrent enrollment in ACCT 20653 or b) admitted to the consultative selling certificate program or c) a Nutrition major with completion of ECON10223. 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 (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 30303 - Design Thinking (3)**

Prerequisites: MARK 30153 or permission of instructor. Design thinking, or user centered design, is a framework for effective and creative problem solving. In this course, students apply the framework to the creation of products, services and ideas through various design challenges.

**MARK 40030 - Senior Honors Research Paper (1-3)**

1-3 hours. Prerequisite: Honors Section of MANA 30153 and must be a Business major; Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member. May be taken for up to three credit hours.

**MARK 40033 - Senior Honors Research Paper (3)**

Prerequisite: Departmental permission, and must be a Business major; Preparation for and completion of a research paper in the student's area of concentration in business under the direction of an assigned staff member.

**MARK 40103 - Digital and Social Media (3)**

Prerequisites: A grade of 'C-' or higher in MARK 30153 and must be a business major; a grade of 'C-' or higher, or concurrent enrollment in both MARK 30113 and MARK 30243. As more money gets shifted away from traditional media and into digital and social media marketing, it is important that students understand how digital and social media marketing gets integrated into marketing strategy, branding, and integrated marketing communication concepts. Broadly, digital marketing refers to everything that an organization does online to support its business. This can include display advertising, social media, social media monitoring, search engine optimization and search engine marketing and other emerging ones as they develop. However, the primary objective will be to examine: (1) driving business with digital marketing, (2) linking strategy to tactics, and (3) measuring outcomes and results.

**MARK 40203 - Marketing Strategy (3)**

3 hours. Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major; a grade of C- or higher in MARK 30113 (Marketing Research) and a grade of C- or higher or concurrent enrollment in MARK 30243 (Customer Insights). 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)**

3 hours. Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major. This course introduces the field of international marketing and provides a broad perspective from which to explore and examine various aspects of what changes when firms compete internationally. Half the course focuses on unique aspects of the international marketing environment; half concentrates on how the marketing mix is affected by the globalization of markets and competitors.

**MARK 40223 - Exceptional Service Experiences (3)**

Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major. The primary objective of this course is to prepare

students to be able to successfully design and deliver exceptional service experiences in an increasingly service-oriented economy. The course is designed to help students understand the unique characteristics of services, the marketing, people, and process challenges created by these characteristics, and effective ways to address these challenges to create differentiated customer value.

**MARK 40233 - Marketing Communication (3)**

Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major; a grade of C- or higher in MARK 30113 (Marketing Research) and a grade of C- or higher or concurrent enrollment in MARK 30243 (Customer Insights). Course explores the strategic, organizational, process, and implementation issues involved in coordinating all forms of marketing communications--traditional advertising, direct marketing, interactive, public relations, sales promotion, personal selling, event marketing, and every other contact point with a target market.

**MARK 40243 - Product Innovation and Brand Management (3)**

Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major; a grade of C- or higher in MARK 30113 (Marketing Research) and a grade of C- or higher or concurrent enrollment in MARK 30243 (Customer Insights). Companies must continuously develop and bring to the market new and improved products. We will study new product planning and management of both goods and services. New Product planning and management of the product Portfolio are essential activities in all companies, and involve various business functions and external partners. We look at the concepts and applications involved in managing an organization's brand portfolio. An understanding of new product planning and brand portfolio management is an essential capability for many positions in business.

**MARK 40263 - Foundations of Selling (3)**

Prerequisites: A grade of C- or higher in MARK 30153 or 30653. Must be a business major or admitted to the consultative selling certificate program. There are several learning objectives for students in Foundations of 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 40273 - Consultative Selling (3)**

Prerequisites: Grade of 'C-' or higher in MARK 30153 or 30653. Grade of 'B' or higher in MARK 40263. Must be a declared business major or admitted to the consultative selling certificate program. This class will seek to prepare students more fully for excellence in an entry-level professional selling position. Specifically, students will gain advanced instruction and skill development in interpersonal communication skills (especially in team selling situations), career management, personal productivity, negotiation, and coordination with other functional areas. One and a half hour lecture and one and a half hour laboratory period per week.

**MARK 40653 - Principles of Marketing Communications (3)**

Prerequisites: Grade of C or better in both ACCT 20653 and 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 from a marketing management perspective and will, therefore, examine topics such as the situation analysis, the use of research tools, consumer behavior theory, setting objectives, positioning, and developing and integrating an underlying strategy for developing effective marketing communications programs.

**MARK 40663 - Principles of Personal Selling (3)**

Prerequisites: Grade of C or higher in both ACCT 20653 and MARK 30653; must be a business minor. Principles of Personal Selling is an introductory course to the area of sales. 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.

**MARK 40700 - Marketing Study Abroad (3)**

3 hours. Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major; a grade of C- or higher in MARK 30113 (Marketing Research) and a grade of C- or higher or concurrent enrollment in MARK 30243 (Customer Insights). An intensive, on-site study of marketing practices abroad. Sites include Europe and Mexico. This course may be repeated for credit.

**MARK 40713 - Ad Competition (3)**

Prerequisite: Senior standing plus STCO 45413 (Channel Planning), STCO 35503 (Research) and STCO 35413 (Creative Strategy) and instructor approval. Campaign participants are selected after an application process. For Marketing majors: senior standing and permission of instructor. Students research, plan, create, execute and evaluate an advertising campaign for a national client, as part of the American Advertising Federation National Student Advertising Competition. Crosslisted as MARK 40713.

**MARK 40770 - Sales Practicum (1.5)**

Prerequisites: 1.5 credits Departmental permission. MARK 40273 or MARK 40263 or current enrollment in either. May be repeated one time for credit. The sales practicum requirement combines practical sales experience and sales education. Students will participate in a series of out-of-class, experiential learning activities that include shadowing salespeople and sales managers, on-site visiting of sales organizations, participating in sales competitions, participating in live selling activities, attending sales-related events or presentations, networking with sales professionals, and interviewing sales professionals.

**MARK 40970 - Special Problems in Marketing (1.00-20.00)**

1-3 hours. Prerequisites: A grade of C- or higher in MARK 30153 and must be a business major; a grade of "C-" or higher in MARK 30113 (Marketing Research) and a grade of "C-" or higher or concurrent enrollment in MARK 30243 (Customer Insights). This course may be repeated for credit."

## MATH - Mathematics

**MATH 10033 - Topics in Mathematics (3)**

Prerequisite: College algebra 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 (3)**

Prerequisite: College algebra 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 (4)**

Prerequisites: College algebra or two 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.

**MATH 10273 - Applied Precalculus (3)**

Prerequisites: College algebra 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. This course does not satisfy the core mathematical reasoning requirement.

**MATH 10283 - Applied Calculus (3)**

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 either a score of 600 or higher on the SAT Math exam or a score of 24 on the ACT Math exam, or a passing grade on the Applied Calculus Placement Test. (NOTE: After receiving a grade less than C- in MATH 10273, the Calculus Placement Test cannot be used to satisfy the prerequisite.)

**MATH 10524 - Calculus I (4)**

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. NOTE: After receiving a grade less than C- in MATH 10054, the Calculus Placement Test cannot be used to satisfy the prerequisite.)

**MATH 20043 - Mathematics for Elementary Teachers (3)**

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, nor does it satisfy the core mathematical reasoning requirement.

**MATH 20053 - Mathematics for Middle School Teachers I (3)**

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. This course does not satisfy the core mathematical reasoning requirement.

**MATH 20063 - Mathematics for Middle School Teachers II (3)**

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. This course does not satisfy the core mathematical reasoning requirement.

**MATH 20123 - Discrete Mathematics I (3)**

Prerequisite: MATH 10054 or 10273 or 10283 or MATH 10524 with a grade of C- or better; high school precalculus and a score of at least 600 on the SAT Math exam or at least 24 on the ACT Math exam. An introduction to discrete methods used in mathematics and computer science. Topics covered include formal logic, sets, the principle of inclusion-exclusion, functions, proof techniques including mathematical induction, number theory and algorithms.

**MATH 20524 - Calculus II (4)**

Prerequisite: MATH 10524 with a C- or better. Techniques of integration and applications. Infinite series. Differential equations as time permits.

**MATH 20970 - Special Topics (1.00-3.00)**

1 - 3 semester hours.

**MATH 20990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

Prerequisite: MATH 30224 or permission of the instructor. 1 - 3 semester hours.

**MATH 30053 - Introduction to Mathematical Proof (3)**

Prerequisites: Math 20123 and 20524, both with a C- or better. Mathematical proof in the context of algebra and analysis.

**MATH 30103 - Introduction to Data Science (3)**

Prerequisites: COSC 20803 and MATH 20123 with a C- or better in both. Essential elements of the data science lifecycle from theory to practice. Introduces fundamental skills to prepare for advanced study in data science. Methodologies and several open source tools used in solving data science problems are studied. (Cross-listed as COSC/MATH 30103.)

**MATH 30123 - Discrete Mathematics II (3)**

Prerequisite: MATH 20123 with a C- or better. Continuation of MATH 20123. Topics covered include combinatorics, recurrence relations, equivalence relations, graphs and trees.

**MATH 30224 - Linear Algebra (4)**

Prerequisite: MATH 10524 and either MATH 20123 or MATH 20524, all with a C- or better. Vector spaces, linear independence, bases, and dimension. Linear mappings, matrices, and determinants. Eigenvalues and eigenvectors, diagonalization.

**MATH 30524 - Calculus III (4)**

Prerequisite: MATH 20524 with a C- or better. 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 (3)**

Prerequisite: MATH 20524 with a C- or better and successful completion of the Excel Expert 1 portion of the MOS test. 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 (3)**

Prerequisite: MATH 20524 with a C- or better. Solution techniques for ordinary differential equations. Systems of differential equations. Mathematical modeling and applications.

**MATH 30623 - Interest Theory II (3)**

Prerequisites: MATH 30603 with C- or better. 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 (3)**

Prerequisite: MATH 20524 with a C- or better. Probability theory. Permutations, combinations, elementary probability, and the binomial theorem. Discrete and continuous probability distributions in single variable and joint variable settings.

**MATH 30853 - Statistics (3)**

Prerequisites: MATH 20524 or 30803, either with a C- or better. 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 (1.00-20.00)**

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 31190 - International Residential Study (1.00-20.00)**

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 39990 - International Residential Study (1.00-20.00)**

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 (1.00-3.00)**

Prerequisite: twelve semester hours of mathematics. (1-3 semester hours).

**MATH 40103 - Graph Theory (3)**

Prerequisites: Math 30224 with a C- or better. Graphs, directed graphs and their representations, weighted graphs, shortest path, Hamiltonian and Eulerian circuits, spanning trees, matching connectedness, flows, Euler's formula, planarity, duality, polyhedra coloring theorems with applications to map coloring and scheduling problems. Ramsey theory, enumeration and random walks, if time allows.

**MATH 40223 - Applied Linear Algebra (3)**

Prerequisites: MATH 30224 with a C- or better, and competence in high-level programming language. Vector spaces and bases, linear transformations and operators, Jordan canonical form of a matrix, inner products, Hermitian and unitary operators. Numerical methods. Topics selected from Fourier series and transforms, applications to ordinary and partial differential equations, applications to Markov processes.

**MATH 40313 - Topology (3)**

Prerequisite: MATH 30053 and 30524 both with C- or better. Topological spaces, bases, connectedness, compactness. Continuous functions and homeomorphisms. Separation properties. Product and quotient spaces. Metric spaces.

**MATH 40403 - Higher Geometry (3)**

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 40553 - Modern Fourier Analysis (3)**

Prerequisites: MATH 30224, 30524 and 30613, all with a C- or better. Fourier series and Fourier transform, discrete Fourier transform and numerical methods, convolution, signal processing, filtering wavelet analysis.

**MATH 40603 - Actuarial Mathematics (3)**

Prerequisites: MATH 30524 and 30803, both with a C- or better and successful completion of the Excel Expert 1 portion of the MOS test. Applications of calculus, probability, and statistics, emphasizing problems in risk management and insurance.

**MATH 40621 - Actuarial Internship (1)**

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 90 work hours in an approved practical experience situation. This course may only be taken pass/no credit and may be repeated up to a total of 3 credit hours.

**MATH 40633 - Game Theory (3)**

Prerequisites: MATH 30224, 30524 and 30803, all with a C- or better. Sequential move games, game trees, perfect information games and games of chance. Matrix games, dominated and mixed strategies, the mini-max theorem. Continuous games, games of timing. Multi-player games and Nash equilibrium, cooperative games: core and stable sets, bargaining, nucleolus. If time permits, special topics can include linear programming, side payments, power indices, imperfect information and artificial intelligence.

**MATH 40643 - Dynamical Systems (3)**

Prerequisite: MATH 30613 with a C- or better. Dynamical systems on the line and on the circle, bifurcations, flows, attractors, linearization, applications to physics, biology, and engineering.

**MATH 40663 - Numerical Analysis (3)**

Prerequisite: MATH 20524 and 30224 both with C- or better, and competence in a high-level programming language. Introduction to numerical methods for solving mathematical problems that arise in the sciences. Topics include floating point arithmetic, error analysis, interpolation, approximating solutions to nonlinear equations, numerical integration and differentiation, and other selected topics.

**MATH 40801 - Mathematics Internship (1)**

Prerequisites: At least five Mathematics courses counting toward a Mathematics major with at least a 2.75 GPA in these courses and approval of Department Chair. Students must spend at least 90 hours in approved practical work experience. This course may only be taken pass/no credit and is repeatable up to a total of 3 credit hours.

**MATH 40853 - Regression & Time Series (3)**

Prerequisites: MATH 30224 and 30853, both with a C- or better. Topics include assessing normality of data, simple multivariable linear regression, model checking diagnostics, variable selection, trends seasonality in time series, and autoregressive-moving-average (ARMA) models. Additional topics may include forecasting, models for count outcome data, and the generalized linear model.

**MATH 40883 - Predictive Modeling (3)**

Prerequisites: MATH 30224 and 30853, both with a C- or better. Topics will include methods and tools for predictive modeling, including data pre-processing, bias-variance trade-off and model tuning, and analysis techniques including linear regression, adaptive and nearest-neighbor methods, rule-based models, and classification models.

**MATH 40970 - Special Topics (1.00-20.00)**

Prerequisite: Permission of the instructor. 1 - 6 semester hours.

**MATH 50073 - History of Mathematics (3)**

Prerequisites: MATH 20524 with a C- or better. A survey of the history of mathematics from ancient times to contemporary times. The selection of topics may vary from semester to semester, but topics closely related to contemporary mathematics are usually emphasized.

**MATH 50253 - Abstract Algebra I (3)**

Prerequisites: MATH 30053 and 30224, both with a C- or better. Introduction to groups and rings. Homomorphisms, isomorphisms, subgroups, and ideals. Quotient and product structures.

**MATH 50323 - Differential Geometry (3)**

Prerequisites: MATH 30224 and 30524, both with a C- or better. Calculus on Euclidean space. Geometry of curves and surfaces.

**MATH 50403 - Complex Analysis (3)**

Prerequisites: MATH 30524 with a C- or better. 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 (3)**

Prerequisites: MATH 30053 with a C- or better. A rigorous development of elementary limit processes. Continuity, sequences, series, differentiation, integration.

**MATH 50613 - Partial Differential Equations (3)**

Prerequisites: MATH 30613 and 30524, both with a C- or better. Basic theory of hyperbolic, parabolic, and elliptic partial differential equations.

**MATH 50623 - Applied Mathematics I (3)**

Prerequisites: MATH 30224, 30524 and 30613, all with a C- or better. 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 (3)**

Prerequisites: MATH 20123 and 30224, both with a C- or better. Properties of the integers. Divisibility, prime numbers, modular arithmetic, Chinese Remainder Theorem, Diophantine equations.

**MEDA - Media Arts****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.

**MILS - Military Science****MILS 10001 - Leadership Lab (1)**

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 (1)**

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 (1)**

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 (2)**

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 (2)**

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 (1.00-20.00)**

Fall/Spring. Special study opportunities as directed by the Department Chairman. (1-6 semester hours.)

**MILS 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

Fall/Spring. Opportunity for independent study as directed by the instructor prior to enrollment. (1-6 semester hours)

**MILS 30990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

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.

## **MOLA - Modern Languages**

### **MOLA 20003 - Cosmopolitanism: Thinking from a Global Perspective (3)**

In this class, students seek to understand definitions of the term cosmopolitanism in its various inflections. Students will interrogate those inflections and discuss them in association with concepts such as nationalism, humanism, globalization, global ethics, and identity. Analyzing cultural products from around the world, students will ask questions such as the following: What does it mean to be a global citizen? What role does language play in how we envision global citizenship? What does it mean to think of someone as the "other" and how is that related to one's own "otherness"? How do/can we accommodate national identities and global citizenship?"

### **MOLA 30023 - Introduction to Linguistics (3)**

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.

### **MOLA 30153 - Theory and Practice of Translation (3)**

Prerequisite: A fourth semester language class or equivalent proficiency level as established by departmental faculty, as well as the agreement of a full-time faculty partner to mentor for two Annotated Translation projects. In this course, you will gain some hands-on experience with translation from your language of study (Chinese, French, German, or Italian) to English. We will also discuss principles and theories of the skill/art/profession of translation.

### **MOLA 30990 - International Residential Study (1.00-20.00)**

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.

### **MOLA 39990 - International Residential Study (1.00-20.00)**

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.

### **MOLA 40193 - Senior Seminar (3)**

Prerequisites: Any 3xxxx level Chinese, English, French, German or Italian course. The senior seminar course is designed to guide students as they shape a culminating project that synthesizes and creatively engages the linguistic, cultural, and the theoretical knowledge they have been developing over the course of their studies. The course will focus on a specific theme that crosses language disciplines, and that theme will be explored and analyzed in at least three different language contexts in class assignments and discussions, but students will develop their final projects in their own language area.

## **MUSI - Music**

### **MUSI 10003 - Fundamentals of Music Literacy (3)**

Rudiments of music including notation, intervals, scales, harmony, and form.

### **MUSI 10010 - Wind Symphony (0.5)**

Wind Symphony.

### **MUSI 10020 - Percussion Ensemble (0.5)**

Percussion Ensemble.

### **MUSI 10021 - Class Guitar (1)**

Elementary techniques of playing and teaching guitar for music education majors.

### **MUSI 10023 - Field Guild to Italian Music and Culture: Then and Now (3)**

The Field Guide to Italian Music and Culture: Then and Now will concentrate on music history in Rome and Florence and its influence on culture in the past and present.

### **MUSI 10030 - Choral Union (0.5)**

The Choral Union is a non-auditioned ensemble open to all members of the TCU community. Weekly rehearsals will focus on vocal, musical and ensemble development. The ensemble is designed to accommodate singers of all abilities. 0.5 hours credit per semester.

### **MUSI 10033 - Survey of Jazz (3)**

An introduction to the history of jazz, focusing on its role in U.S. history and culture.

### **MUSI 10040 - Concert Chorale (0.5)**

Concert Chorale.

### **MUSI 10043 - Music in Northern Italy: The Impact of Place and Proportion upon Creation and Performance (3)**

This course will focus upon music as a by-product of environment. Music produced to be performed in certain buildings and under certain circumstances in Florence and Venice will be studied and analyzed relative to these places and influences.

### **MUSI 10050 - Steel Band I (0.5)**

The purpose of this course is to provide percussion students with rehearsal and performance experience within a steel band setting.

### **MUSI 10051 - String Instrument Technique I (1)**

Elementary techniques of playing and teaching violin, viola, cello, and bass for music education and composition majors.

### **MUSI 10053 - Survey of Western Art Music (3)**

An introduction to the history of art music in Western culture, exploring both musical styles and sociocultural functions. Not available to music majors or minors for degree credit.

### **MUSI 10060 - University Singers (0.5)**

Prerequisite: Must be a vocal music education major or have permission of instructor through an audition.

### **MUSI 10061 - String Technique II (1)**

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 - Survey of World Music (3)**

An introduction to the variety of musics found in cultures around the world outside the Western art music tradition. Not available to music majors for degree credit.

### **MUSI 10070 - Vocal Jazz Ensemble (0.5)**

Vocal Jazz Ensemble.

### **MUSI 10071 - Percussion Technique (1)**

Elementary techniques of playing and teaching percussion instruments for music education majors.

### **MUSI 10073 - Survey of Rock (3)**

An introduction to rock and popular music in the United States from 1945 onward. Emphasis is placed on the sequential development of substantive listening and descriptive skills.

**MUSI 10080 - Chamber Music (0.5)**

Chamber Music.

**MUSI 10081 - Functional Instrumental Technique (1)**

Introduction to string, brass, woodwind and percussion instructional techniques for vocal concentration music education majors.

**MUSI 10083 - Survey of Film Music (3)**

An introduction to 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 study the different elements of music, and how film composers use them to support and enhance the film narrative.

**MUSI 10090 - Woodwind Ensemble (0.5)**

Woodwind Ensemble.

**MUSI 10091 - Yoga for Musicians (1)**

Prerequisite: must be a Music major. This course is a pass/no credit course. The course focuses on flexibility, balance, strength, and relaxation. Using postures and breathing exercises adapted to each person's individual level, students will develop improved alignment, breathing, and a balanced body/mind. Students will unite these elements to aid in performance anxiety, posture, phrasing, and other activities inherent to their particular instrument. Limited discussion may include ways to incorporate yoga techniques into the students' daily activities, particularly in practice, rehearsal, and performance. This class is designed to accommodate both those who are new to yoga practice, as well as those with some experience.

**MUSI 10100 - Opera Studio (0.5)**

Opera Studio.

**MUSI 10110 - Marching Band (0.5)**

Marching Band.

**MUSI 10120 - Symphony Orchestra (0.5)**

Symphony Orchestra.

**MUSI 10130 - Cantiamo (0.5)**

The TCU Cantiamo (Women's Choir) is an ensemble dedicated to performance of quality treble repertoire. Majors and non-majors are encouraged to participate. No audition is required for participation. The ensemble performs a minimum of two concerts per semester.

**MUSI 10140 - Frog Corps (0.5)**

Frog Corps is a non-auditioned male ensemble that serves as a spirit group for the university campus. Performances include traditional concerts with other university ensembles, appearances at athletic events, and presentation at university and community social occasions.

**MUSI 10150 - New Music Ensemble (0.5)**

The ensemble performs mixed chamber music primarily composed during the past 25 years.

**MUSI 10160 - Brass Ensemble (0.5)**

Brass Ensemble.

**MUSI 10170 - Undergraduate Collaborative Piano (0.5)**

Undergraduate Collaborative Piano

**MUSI 10171 - Diction for Singers (1)**

Introduction to the International Phonetic Alphabet and its application to the study of Liturgical Latin, Italian, and English lyric diction.

**MUSI 10180 - Collegium Musicum (0.5)**

Collegium Musicum.

**MUSI 10181 - Diction for Singers (1)**

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 (0.5)**

Jazz Ensemble.

**MUSI 10191 - Jazz Improvisation (1)**

A study of the techniques of jazz improvisation through performance. May be repeated for maximum of 4 hours credit.

**MUSI 10201 - Elementary Ear Training (1)**

Melodic, harmonic, and rhythmic dictation; sight-singing.

**MUSI 10203 - Elementary Theory (3)**

Prerequisite: MUSI 10003 or permission of the School of Music (see School of Music Handbook). 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.

**MUSI 10210 - Symphonic Band (0.5)**

Symphonic Band.

**MUSI 10211 - Elementary Ear Training (1)**

Prerequisite: MUSI 10201. Continuation of MUSI 10201.

**MUSI 10213 - Elementary Theory (3)**

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 (0.5)**

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 (3)**

Fundamentals of music performance, composition and listening. Appropriate for elementary education majors. Not open to music majors and minors.

**MUSI 10240 - Steel Band II (0.5)**

The purpose of this course is to provide percussion students with rehearsal and performance experience within a steel band setting.

**MUSI 10250 - Mariachi Ensemble (0.5)**

Prerequisites: Music major/minor or permission of instructor. All students enrolled in a mariachi course must be able to play an instrument; therefore, vocalists will be asked to learn a mariachi-based instrument if they do not know how to play one already.

**MUSI 10271 - Performers Certificate Collaborative Piano I (1)**

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 (1)**

Performers Certificate Collaborative Piano II

**MUSI 10320 - Percussion Ensemble II (0.5)**

The purpose of this course is to provide percussion students with rehearsal and performance experience within a percussion ensemble setting.

**MUSI 10350 - TCU Cello Ensemble (0.5)**

Study and performance of music for cello ensemble

**MUSI 10360 - TCU Harp Ensemble (0.5)**

Prerequisites: Instructor's permission required. The study and performance of music for harp ensemble.

**MUSI 10420 - Symphony Orchestra - Strings (0.5)**

Symphony Orchestra - Strings Only. This course is for string players playing in Symphony Orchestra. Winds, Brass, and Percussion should enroll in MUSI 10120.

**MUSI 10433 - Freshman Seminar in Music (3)**

Topics may vary each time it is offered.

**MUSI 10511 - Introduction to Music Education (1)**

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 (1)**

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 (0)**

Music majors are required to attend a minimum of 15 concerts and recitals each semester, with the exception of the student-teaching semester for Music Education majors. 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. (This course is only offered as P/NC.)

**MUSI 11021 - Introduction to Piano for the Non-Musician (1)**

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 (0)**

Beginning piano for non-keyboard music majors who are preparing to pass the basic piano requirement. (This course is only offered as P/NC.)

**MUSI 11031 - Piano for the Non-Musician (1)**

Prerequisites: Completion of MUSI 11021 or permission of instructor. Continuation of MUSI 11021.

**MUSI 11040 - Class Piano (0)**

Prerequisite: MUSI 11030. Continuation of MUSI 11030. (This course is only offered as P/NC.)

**MUSI 20051 - Class Voice (1)**

Class instruction designed to train students in vocal technique and literature.

**MUSI 20071 - Functional Piano (1)**

Prerequisite: Keyboard, Piano Pedagogy and Music Education 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 (1)**

Prerequisite: MUSI 20071. Continuation of MUSI 20071.

**MUSI 20082 - Piano Chamber Music Performance I (2)**

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 (2)**

Prerequisite: MUSI 20082 or permission of instructor.

**MUSI 20201 - Advanced Ear Training (1)**

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 (3)**

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 (1)**

Prerequisite: MUSI 20201. Continuation of MUSI 20201.

**MUSI 20212 - Piano Repertoire and Performance I (2)**

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 (3)**

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 (1)**

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 (2)**

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 (2)**

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 (1)**

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 (2)**

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 (1)**

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 Western Music I (3)**

Prerequisite: Successful completion of MUSI 20203 or permission of instructor. This course is designed to help students understand the position of music in history, contributions to musical thought, and the development of musical style in Western culture to the mid-seventeenth century through a detailed study of music literature.

**MUSI 20990 - International Residential Study (1.00-20.00)**

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**MUSI 21030 - Class Piano (0)**

Prerequisite: MUSI 11040. Continuation of MUSI 11040. (This course is only offered as P/NC.)

**MUSI 21040 - Class Piano (0)**

Prerequisite: MUSI 21030. Continuation of MUSI 21030. (This course is only offered as P/NC.)

**MUSI 21081 - Artist Diploma Pre-Baccalaureate Collaborative Piano (1)**

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) (3)**

History of Music (Honors)

**MUSI 30052 - Beginning Piano Pedagogy (2)**

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 (2)**

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 (1)**

This course covers basic skills and concepts for playing and teaching the saxophone, oboe, and bassoon. Emphasis will be placed on basic pedagogical techniques for each instrument towards an ability to teach at the beginner level.

**MUSI 30161 - Brass Technique I (1)**

This course covers basic skills and concepts for playing and teaching the trumpet and french horn. Emphasis will be placed on basic pedagogical techniques for each instrument towards an ability to teach at the beginner level.

**MUSI 30162 - Acting for Singers (2)**

Corequisite: Concurrent enrollment in MUSI 10100 Opera Studio is required. Acting for Singers is an introduction to acting for opera and musical theatre. The course is a combination of lecture and discussion along with dramatic and musical exercises and activities based on the classical approach to acting.

**MUSI 30171 - Woodwind Technique II (1)**

This course covers basic skills and concepts for playing and teaching the flute and clarinet. Emphasis will be placed on basic pedagogical techniques for each instrument towards an ability to teach at the beginner level.

**MUSI 30181 - Brass Technique II (1)**

This course covers basic skills and concepts for playing and teaching the trombone, euphonium, and tuba. Emphasis will be placed on basic pedagogical techniques for each instrument towards an ability to teach at the beginner level.

**MUSI 30202 - Form and Analysis (2)**

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 (2)**

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 (2)**

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 - Instrumentation (2)**

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 (3)**

Vocal and instrumental expression, rhythmic activities, critical listening, creative experience, and music reading. Course appropriate for pedagogy students.

**MUSI 30322 - Orchestration (2)**

Prerequisite: Open to Music Composition majors who have completed MUSI 30312 (Instrumentation), or by permission of instructor. Project-based application of concepts learned in MUSI 30312 to music arranging and composition.

**MUSI 30332 - Marching Band Arranging (2)**

Prerequisites: MUSI 20203/20213, 30312, or permission of instructor. Study in technique of scoring for the contemporary marching band.

**MUSI 30342 - Jazz Arranging (2)**

Prerequisites: MUSI 20203/ 20213, 30312, or permission of instructor. Study in technique of scoring for the modern jazz orchestra.

**MUSI 30343 - Fundamentals of Electro-Acoustic Music (3)**

Prerequisite: Music major or permission of instructor. Through a project based curriculum students will explore the fundamental principles and techniques of electronic and electro-acoustic compositional techniques, synthesis, 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.

**MUSI 30420 - Composition (1.00-6.00)**

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 (2)**

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 (2)**

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 30602 - World Music for Music Majors (2)**

Prerequisites: Junior-level standing as a music major, or permission of instructor. This course serves as an introduction for music majors to the variety of musics found in cultures around the world outside the Western art music tradition.

**MUSI 30603 - Music for Social Change (3)**

Music for Social Change will examine how the study of music and ensemble participation are used as a vehicle for social change with marginalized children living in low socio-economic communities. Students will evaluate issues of race, gender, class, and trauma through the lenses of social leadership and artistic citizenship. Students will develop instructional planning skills and classroom management techniques within a service-learning environment at an EL Sistema-inspired music education program.

**MUSI 30613 - History of Western Music II (3)**

Prerequisite: Successful completion of MUSI 20613 or permission of instructor and completion of ENGL 10803 and 20803. Exploration of musical genres, forms, composers, and styles in Europe and the New World from the mid-seventeenth to the late nineteenth century.

**MUSI 30623 - History of Western Music III (3)**

Prerequisite: Successful completion of MUSI 30613, ENGL 10803 and 20803. Historical and cultural overview of trends in Western music from the late nineteenth century to the present, addressing topics including art music, jazz, and popular music.

**MUSI 30713 - Service Playing and Repertory (3)**

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 30812 - Instrumental Organization and Administration (2)**

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 (2)**

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 (2)**

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 (2)**

See course under Music Education.

**MUSI 30970 - Directed Study in Music (1.00-6.00)**

Prerequisite: Permission of instructor. Specialized work in student's area of concentration. 1-6 Hours

**MUSI 30990 - International Residential Study (1.00-20.00)**

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**MUSI 34990 - International Residential Study (1.00-20.00)**

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 30042 - Fundamentals of Voice Pedagogy for Music Educators (2)**

Prerequisites: Upper division standing (junior or senior) in vocal music education or permission from instructor. This course is an introduction to vocal pedagogy and voice science. Topics will include anatomy and physiology of the vocal mechanism, diagnosis and correction of vocal faults, acoustics, and technology in the classroom. Supplemental seminars will provide practical experience with audio recording concepts and technologies.

**MUSI 30352 - Fundamentals of Digital Recording (2)**

Prerequisites: Sophomore Level. Any major. An investigation of basic and electronic audio concepts, psychoacoustics, digital audio recording techniques, and synthesis. Projects are produced with student owned computers utilizing microphones, connectors and interfaces provided by the university. Students will demonstrate understanding of recording apparatus including, microphones, digital audio workstations, editing software, audio mixers and MIDI controllers.

**MUSI 40003 - Senior Honors Research Project (3)**

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 (3)**

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 (2)**

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 (2)**

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 (3)**

Prerequisite: Upper division standing in vocal performance or vocal concentration. Methods and materials for teaching voice. Topics will include anatomy and physiology of the vocal mechanism, diagnosis and correction of vocal faults, acoustics, and audio recording technologies.

**MUSI 40212 - Piano Repertoire and Performance II (2)**

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 40900 - Internship in Music (1.00-3.00)**

Prerequisite: Permission of instructor. This course will provide hands-on professional experience in music. 1-3 hours. This course may be repeated for credit.

**MUSI 50051 - Orchestral Repertoire Studies (1)**

Prerequisites: Music major or permission of instructor. This course serves as an enhancement to individual private study and ensemble

participation through the development of professional preparation of symphonic, operatic, ballet, and chamber repertoire. Precise repertoire selection will vary based on instrument. Additional skills developed through this course may include professional resume review and professional conduct, especially as they relate to professional auditions.

**MUSI 50053 - Introduction to Voice Pedagogy (3)**

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 (3)**

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 50081 - Business Practices for the Independent Music Teacher (1)**

Prerequisite: Senior or graduate standing. The lecture course will address business practices needed to successfully establish and maintain an independent music studio. The course will discuss business models, self-employment issues, studio organization, record keeping, tax concerns, marketing, recruiting, and retaining students. Reading and research assignments and preparation of materials will provide the basis for learning.

**MUSI 50171 - Advanced Diction English and Italian (1)**

In-depth study of the International Phonetic Alphabet and its application to the performance of English (multiple dialects) and Italian lyric diction.

**MUSI 50181 - Advanced Diction German and French (1)**

In-depth study of the International Phonetic Alphabet and its application to the performance of German and French lyric diction.

**MUSI 50191 - Slavic Lyric Diction (1)**

Prerequisites: Enrollment in Master of Music, Doctor of Musical Arts, or Artist Diploma course of studies. Undergraduate music majors with permission of the instructor. Application of International Phonetic Alphabet to the advanced study of Czech and Russian lyric diction.

**MUSI 50203 - Musical Structure and Style (3)**

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 (2)**

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 (2)**

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 (3)**

Prerequisite: Junior or Senior standing or graduate standing or permission of instructor. A historical overview of music's roles in various religious traditions from ancient times to the twenty-first century.

**MUSI 50403 - Symphonic Literature (3)**

Prerequisite: Senior or graduate standing. Historical development of the orchestra and its repertoire, with emphasis on the symphony.

**MUSI 50413 - Opera Literature (3)**

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 (3)**

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 Literature I Pre-Baroque through Classical (3)**

Prerequisite: Junior, senior or graduate standing. Historical development, structural and stylistic elements, as well as performance practices of music for keyboard instruments from the pre-Baroque through the Classical periods.

**MUSI 50443 - Ethnomusicology (3)**

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 (3)**

Prerequisite: Senior or graduate standing. Study of selected writings on music criticism and aesthetics from antiquity to the present.

**MUSI 50463 - Topics in Music Since 1900 (3)**

Prerequisite: Successful completion of MUSI 30623 or graduate standing. Variable topics in music of the 20th and 21st centuries.

**MUSI 50473 - Art Song Literature (3)**

Prerequisite: Senior or graduate standing. A socio-musical examination of the repertoire for solo voice from 1750 to the present, with emphasis on German Lieder, French melodie, and art songs in English. Also, a brief survey of art song literature in Spanish and Eastern European languages, including Russian.

**MUSI 50483 - Chamber Music Literature (3)**

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 (3)**

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 50523 - Linear Analysis (3)**

Prerequisite: Graduate standing or approved seniors. Development of structural learning through graphic analysis. Readings on Schenkerian concepts as applied to tonal music.

**MUSI 50533 - Keyboard Literature II Romantic through Contemporary (3)**

Prerequisites: Junior, senior or graduate standing. Historical development, structural and stylistic elements, as well as performance practices of music for piano in the 19th, 20th, and 21st centuries.

**MUSI 50970 - Special Problems (.50-6.00)**

Prerequisite: Permission of instructor. Specialized work in student's area of concentration. .50-6 hours.

**MUSI 51081 - Artist Diploma Post-Baccalaureate Collaborative Piano (1)**

Prerequisites: Acceptance to Artist Diploma Program, Post-Baccalaureate. Collaborative Piano course for the Artist Diploma Program in the School of Music.

**MUSP - Music Performance****MUSP 20110 - Voice (1.00-4.00)**

Voice

**MUSP 20130 - Applied Voice Technology Lab (1)**

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-elementrics 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 (1.00-4.00)**

Piano

**MUSP 20220 - Organ (1.00-4.00)**

Organ

**MUSP 20230 - Jazz Piano (1.00-4.00)**

Jazz Piano

**MUSP 20240 - Harpsichord (1.00-4.00)**

Harpsichord

**MUSP 20310 - Violin (1.00-4.00)**

Violin

**MUSP 20320 - Viola (1.00-4.00)**

Viola

**MUSP 20330 - Violoncello (1.00-4.00)**

Violoncello

**MUSP 20340 - Double Bass (1.00-4.00)**

Double Bass

**MUSP 20350 - Viola da Gamba (1.00-4.00)**

Viola da Gamba

**MUSP 20360 - Jazz Bass (1.00-4.00)**

Jazz Bass

**MUSP 20410 - Flute (1.00-4.00)**

Flute

**MUSP 20420 - Oboe (1.00-4.00)**

Oboe

**MUSP 20430 - Clarinet (1.00-4.00)**

Clarinet

**MUSP 20440 - Saxophone (1.00-4.00)**

Saxophone

**MUSP 20450 - Bassoon (1.00-4.00)**

Bassoon

**MUSP 20460 - Jazz Saxophone (1.00-2.00)**

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 (1.00-4.00)**

French Horn

**MUSP 20520 - Trumpet (1.00-4.00)**

Trumpet

**MUSP 20530 - Trombone (1.00-4.00)**

Trombone

**MUSP 20550 - Tuba (1.00-4.00)**

Tuba

**MUSP 20560 - Euphonium (1.00-4.00)**

Euphonium

**MUSP 20610 - Percussion (1.00-4.00)**

Percussion

**MUSP 20620 - Jazz Drumset (1.00-4.00)**

Jazz Drumset

**MUSP 20710 - Harp (1.00-4.00)**

Harp

**MUSP 20810 - Guitar (1.00-4.00)**

Guitar

**MUSP 20910 - Jazz Guitar (1.00-4.00)**

Jazz Guitar

**MUSP 21100 - Secondary Voice (1.00-2.00)**

Secondary Voice. (for 1 or 2 hours credit.)

**MUSP 30991 - Recital I (1)**

Recital I

**MUSP 40110 - Voice (1.00-5.00)**

Voice

**MUSP 40120 - Vocal Coaching (1.00-2.00)**

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 (1)**

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-elementrics 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 (1.00-5.00)**

Piano

**MUSP 40220 - Organ (1.00-5.00)**

Organ

**MUSP 40230 - Jazz Piano (1.00-5.00)**

Jazz Piano

**MUSP 40240 - Harpsichord (1.00-5.00)**

Harpsichord

**MUSP 40310 - Violin (1.00-5.00)**

Violin

**MUSP 40320 - Viola (1.00-5.00)**

Viola

**MUSP 40330 - Violoncello (1.00-5.00)**

Violoncello

**MUSP 40340 - Double Bass (1.00-5.00)**

Double Bass

**MUSP 40350 - Viola da Gamba (1.00-5.00)**

Viola da Gamba

**MUSP 40360 - Jazz Bass (1.00-5.00)**

Jazz Bass

**MUSP 40410 - Flute (1.00-5.00)**

Flute

**MUSP 40420 - Oboe (1.00-5.00)**

Oboe

**MUSP 40430 - Clarinet (1.00-5.00)**

Clarinet

**MUSP 40440 - Saxophone (1.00-5.00)**

Saxophone

**MUSP 40450 - Bassoon (1.00-5.00)**

Bassoon

**MUSP 40460 - Jazz Saxophone (1.00-2.00)**

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 (1.00-5.00)**

French Horn

**MUSP 40520 - Trumpet (1.00-5.00)**

Trumpet

**MUSP 40530 - Trombone (1.00-5.00)**

Trombone

**MUSP 40550 - Tuba (1.00-5.00)**

Tuba

**MUSP 40560 - Euphonium (1.00-5.00)**

Euphonium

**MUSP 40610 - Percussion (1.00-5.00)**

Percussion

**MUSP 40620 - Jazz Drumset (1.00-4.00)**

Jazz Drumset

**MUSP 40710 - Harp (1.00-5.00)**

Harp

**MUSP 40810 - Guitar (1.00-5.00)**

Guitar

**MUSP 40910 - Jazz Guitar (1.00-5.00)**

Jazz Guitar

**MUSP 40971 - Diploma Recital (1)**

Diploma Recital

**MUSP 40981 - Diploma Recital (1)**

Diploma Recital

**MUSP 40991 - Recital II (1)**

Recital II

**MUSP 50210 - Artist Diploma Lessons (1.00-6.00)**

Prerequisites: Acceptance to Artist Diploma program, Post-Baccalaureate.

**MUSP 50961 - Artist Diploma Recital I (1)**

Prerequisites: Acceptance to Artist Diploma Program, Post-Baccalaureate. First recital in a sequence of four required for the Artist Diploma program in the School of Music.

**MUSP 50971 - Artist Diploma Recital II (1)**

Prerequisites: Acceptance to Artist Diploma Program, Post-Baccalaureate. Second recital in a sequence of four required for the Artist Diploma program in the School of Music.

**MUSP 50981 - Artist Diploma Recital III (1)**

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 (1)**

Prerequisites: MUSP 50971. Fourth recital in a sequence of four required for the Artist Diploma program in the School of Music.

## NTDT - Nutritional Sciences

**NTDT 10003 - Contemporary Issues in Nutrition (3)**

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. Course is offered with TCU Online components that support learning by multiple instructional formats including lecture, class discussions, lab interactives, group learning projects and oral presentations. Laboratory interactives will include traditional and computer laboratory exercises.

**NTDT 10103 - Food Preparation (3)**

Two 1-hour lectures, one 3-hour laboratory per week. Scientific principles and fundamental processes underlying food preparation with practical application.

**NTDT 10433 - Freshman Seminar in Nutrition Sciences (3)**

Topics may vary each time it is offered.

**NTDT 20403 - Nutrition (3)**

The science of nutrition integrating physiological, biochemical, and psychological aspects of food ingestion and nutrient utilization.

**NTDT 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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 30001 - Honors Seminar (1)**

Prerequisite: Advanced standing in Nutrition Sciences, prior credit or concurrent enrollment in NTDT 40411, and recommendation of the chair. Observe and review honors students' presentations.

**NTDT 30101 - DPD Seminar I (1)**

Prerequisites: Didactic Program in Dietetics major. An introduction to Academy of Nutrition and Dietetics organization and structure, dietetic registration requirements, and the Supervised Practice application process.

**NTDT 30103 - Gourmet Foods (3)**

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 (3)**

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. Credit cannot be earned for both NTDT 30113 and 30123.

**NTDT 30123 - Nutrition Throughout the Life Cycle (3)**

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. Credit cannot be earned for both NTDT 30113 and 30123.

**NTDT 30133 - Meal Management (3)**

Prerequisite: NTDT 10103. 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 (4)**

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 30163 - Sports Nutrition (3)**

Prerequisite: NTDT 20403. Psychological effects of exercise and nutrition on the human body. Current topics of interest, current research, and their relationship to athletic performance.

**NTDT 30233 - Essentials of Dietetics Practice (3)**

Prerequisites: NTDT 20403, NTDT 30123 or NTDT 30133, CHEM 30123, and BIOL 20214. Emphasizes fundamental knowledge for the Registered Dietitian (RD) and the role of the Registered Dietitian within the health care team. Course content includes the Scope of Dietetics Practice, Code of Ethics, Evidence Analysis Library, Nutrition Care Process, and Medical Nutrition Therapy documentation for enhancing development of skills to perform nutrition assessment, diagnosis, intervention and monitoring/evaluation.

**NTDT 30303 - Communication and Education for Food, Nutrition, and Dietetics (3)**

Prerequisite: MANA 30653 or permission of instructor. Introductory communications course with applications in counseling and education with emphasis on developing interpersonal and professional practice skills in food, nutrition, and dietetics.

**NTDT 30306 - Supervised Practice in General Dietetics (6)**

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 (3)**

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 (7)**

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 (1)**

Prerequisites: Junior standing. 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.

**NTDT 30333 - Medical Nutrition Therapy I (3)**

Prerequisites: NTDT 20403, 30123 or 30113, 30233, 30331 or concurrent enrollment, CHEM 30123 and BIOL 20214, or permission of the instructor. Knowledge and skills necessary for implementation of the Nutrition Care Process and evidence-based nutrition intervention among individuals with physiological and biochemical abnormalities associated with various conditions such as, but not limited to, diabetes mellitus, cardiovascular disease, and gastrointestinal (GI) disorders. Study of pharmacology and nutrition support as a component of Medical Nutrition Therapy. Lecture format incorporates case studies to provide skill enhancement.

**NTDT 30433 - Issues and Insights in Foods and Nutrition (3)**

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.

**NTDT 30643 - Veganism, Sustainability, and Plant-based Food Studies (3)**

Prerequisites: Junior or Senior classification. Priority for enrollment in this course will be as follows: Human-Animal Relationships Minor, Nutrition Minor, Nutritional Sciences Major, all other TCU students. This course will critically examine scientific, environmental, historical, cultural, and societal contexts of the eating habits of humans, with particular attention to plant-based cultures and the ideology of the vegan movement.

**NTDT 30990 - International Residential Study (1.00-20.00)**

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 30993 - A Global Perspective in Food Insecurity (3)**

Corequisite: SOWO 30953. A Global Perspective of Food Insecurity provides students with opportunities to actively engage in critical thinking and problem-solving regarding various food and nutrition issues that affect the global community. With a focus on a study abroad



experience in Seville, Spain, students will explore the incidence of food insecurity on a local level (Fort Worth, TX) and the global stage (Seville, Spain), utilizing comparisons and contrasts to make informed judgments. Students will experience cultural immersion by living with local host families and participating in Spanish language classes and cultural activities at the Giralda Center Spanish House in Seville, Spain. Hands-on service-learning will take place at non-profit community social service agencies. Lectures, assigned readings, field trips, guest speakers, threaded discussions, cultural events are included to expand the global awareness and to develop global responsibility of students. The course is open to all majors and taken concurrently with SOWO 30593; Fluency in Spanish is NOT required.

#### **NTDT 32990 - International Residential Study (1.00-20.00)**

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 33990 - Nutrition of Population Groups (3)**

#### **NTDT 36990 - International Residential Study (1.00-20.00)**

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 40000 - Research Practice I (1.00-3.00)**

Prerequisites: Current enrollment in the BS in Dietetics (DIET) Students will begin the investigatory process of a nutrition research study by completing research training and evidence-based practice tutorials. Students will also develop a research design, including purpose and primary research objectives, null hypothesis, literature review, and research methods/procedures. (1-3 semester hours).

#### **NTDT 40001 - Senior Honors Research (1)**

Prerequisite: Advanced standing in Nutritional Sciences, prior credit or concurrent enrollment in NTDT 40421, and recommendation of the chair. Prepare for oral presentation and present research during Honors Week. Present research to Student Nutrition and Dietetic Association. Prepare written research manuscript under the direction of faculty. .

#### **NTDT 40010 - Research Practice II (1.00-3.00)**

Prerequisites: NTDT 40000 and enrollment in the Combined BS/MS in Dietetics Program in Department of Nutritional Sciences. Students will apply scientific principles of investigation in a nutrition research study while completing a Protocol Review Request for research and utilizing appropriate research methods, ethical procedures, data coding and statistical analysis using SPSS or other applicable technology.

#### **NTDT 40101 - DPD Seminar II (1)**

Prerequisites: Didactic Program in Dietetics major. This course consists of seminar topics designed for planning and preparation for professional advancement, including application to Supervised Practice programs and graduate school placement.

#### **NTDT 40300 - Nutritional Science (1.00-4.00)**

Prerequisites: NTDT 20403, or concurrent enrollment. Projects in nutritional science research carried out under the direction of a faculty member. Because ongoing research projects differ from one semester to the next, students gain additional research skills each time they take the course. Variable credit between one to four hours per enrollment can be earned for this course. The course may be repeated for a maximum of four times. However, a maximum of 4 credits can be earned for this course.

#### **NTDT 40303 - Supervised Practice I (3)**

Prerequisites: Current enrollment in the BS in Dietetics (DIET) major. Supervised practice experiences are in selected community, foodservice and nutrition care settings with an emphasis on the provision of nutritional services, nutrition education, interprofessional education and team collaboration.

#### **NTDT 40313 - Supervised Practice II (3)**

Prerequisites: NTDT 40403 and current enrollment in the BS in Dietetics (DIET) major. Supervised practice experiences are in selected community and foodservice settings with an emphasis on food systems

management and the provision of nutritional services and nutrition education.

#### **NTDT 40333 - Medical Nutrition Therapy II (3)**

Prerequisites: NTDT 30333 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 (7)**

Two lecture hours and 20 hours of supervised practice per week. Prerequisites: Enrollment in Coordinated Program in Dietetics, NTDT 30317 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 - Nutritional Biochemistry (3)**

Prerequisites: NTDT 20403, 30333; BIOL 20214; CHEM 30123. Biochemical and physiological mechanisms of nutrition science and metabolism are covered.

#### **NTDT 40353 - Experimental Food Science (3)**

Two 1-hour lectures and one 2-hour laboratory per week. Prerequisites: NTDT 20403, CHEM 30123 or permission of instructor. Advanced theory and methods used in study of chemical and physical factors affecting food preparation and processing. Application of analytical methods to sensory and instrumental evaluation of food quality.

#### **NTDT 40363 - Community Nutrition (3)**

Prerequisites: NTDT 30113 or 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 (4)**

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 (3)**

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 (3)**

Prerequisites: Junior or Senior, NTDT 20403, 30113 or 30123, MATH 10043 or equivalent, or permission of instructor. Fundamentals of research methods, research design, treatment and interpretation of data in nutrition. Primarily designed for students with an interest in Nutrition and Dietetics.

#### **NTDT 40411 - Supervised Practice in Nutrition Research I (1)**

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 - Business Principles in Dietetics (3)**

Prerequisites: NTDT 30313 and MANA 30653. Course includes principles of management as applied to foodservice organizations and dietetics practice. Leadership, ethics, human resources management, marketing, and financial management are covered.

#### **NTDT 40421 - Supervised Practice in Nutrition Research II (1)**

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 (3)**

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 (1)**

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 40603 - Nutrition Counseling (3)**

Prerequisites: Enrollment in the Department of Nutritional Sciences Combined BS/MS in Dietetics or Didactic Program in Dietetics. This course includes the application of current theories and techniques of counseling and education to the field of nutrition and dietetics. Practical application of communication techniques, client-centered counseling methods, motivational interviewing, group counseling learning theories and behavior change techniques, and factors affecting eating patterns will be covered. Instructional material and media design will also be incorporated.

**NTDT 40960 - Food Management Supervised Practical Experience (1.00-6.00)**

Prerequisites: Food Management major and junior standing. Supervised practical experiences in food, nutrition, and/or dietetics provide opportunities for learning and applications in organizational management, foodservice and culinary arts, and nutrition or dietetics health-care settings.

**NTDT 40970 - Special Problems (1.00-20.00)**

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)

**NTDT 50223 - Culinary Medicine Seminar (3)**

Prerequisites: Junior or above undergraduate standing or graduate standing. This seminar will provide the student with an advanced exploration and study of culinary medicine principles. The field of culinary medicine blends culinary skills with the science of medicine and nutrition. Through this course, students will gain skills and knowledge in both areas. Learning activities include lectures, group discussions, and cooking demonstrations, application, and food tasting. The course is designed for students pursuing clinical and healthcare-related fields of study.

**NTDT 50323 - Gut Microbiota and Health (3)**

Prerequisites: BIOL 20234 or BIOL 30304 or permission of instructor. This class will cover the composition and function of the human gut microbiota, its relevance to health, and the different environmental factors that play a role on its configuration. The class also addresses the gut microbial changes that have been linked to the incidence of diseases and the potential therapeutics that can be employed to prevent and/or treat diseases by modifying the gut microbiota. Lastly, antibiotics, antibiotic resistance, and antibiotic stewardship will be reviewed.

**NTDT 50343 - Biochemical, Physiological, and Molecular Aspects of Human Nutrition (3)**

Prerequisites: NTDT 40343 or BIOL 40513, graduate status in the department of Nutritional Sciences, or instructor approval. This course provides an advanced study of the principles of nutrition in relation to the biochemical, physiological, and molecular aspects of the human body.

**NTDT 50353 - Experimental Food Science (3)**

Prerequisites: NTDT 10103, NTDT 20403, and CHEM 30123. 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 50363 - Community Nutrition and Public Health (3)**

Prerequisites: NTDT 30123 and NTDT 30303. Course explores nutritional problems and the services available in the community. Management of nutrition services, provision of nutrition information to the public, and the legislative process are studied. Activities to prevent disease and promote health at the local, state, national and global levels will be examined.

**NTDT 50973 - Nutritional Sciences Seminar (3)**

Prerequisites: Graduate status in the department of Nutritional Sciences, or instructor approval. This seminar will provide the student with an

advanced exploration and study of selected topics and emerging issues in food, nutrition, and dietetics. Topics will be determined by faculty to enhance the required curriculum and to satisfy competencies mandated by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

**NTDT 55343 - Biochemical, Physiological, and Molecular Aspects of Human Nutrition (3)**

Prerequisites: NTDT 40343 or BIOL 40513, graduate status in the department of Nutritional Sciences, or instructor approval. This course provides an advanced study of the principles of nutrition in relation to the biochemical, physiological, and molecular aspects of the human body.

**NTDT 55353 - Experimental Food Science (3)**

Prerequisites: NTDT 10103, NTDT 20403, and CHEM 30123. 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 55363 - Community Nutrition and Public Health (3)**

Prerequisites: NTDT 30123 and NTDT 30303. Course explores nutritional problems and the services available in the community. Management of nutrition services, provision of nutrition information to the public, and the legislative process are studied. Activities to prevent disease and promote health at the local, state, national and global levels will be examined.

**NTDT 55973 - Nutritional Sciences Seminar (3)**

Prerequisites: Graduate status in the department of Nutritional Sciences, or instructor approval. This seminar will provide the student with an advanced exploration and study of selected topics and emerging issues in food, nutrition, and dietetics. Topics will be determined by faculty to enhance the required curriculum and to satisfy competencies mandated by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

## NURS - Nursing

**NURS 10303 - Human Development (3)**

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 10403 - Introduction to Health Disparities in African Americans (3)**

This course will provide a broad overview of health disparities in African Americans. Key determinants including biological, genetic, social, environmental, cultural, and institutional impacting health outcomes will be explored. In addition a historical and economical perspective will be presented.

**NURS 10433 - Freshman Seminar in Nursing (3)**

Topics may vary each time it is offered.

**NURS 20043 - Professional Role I: Member of the Profession (3)**

Prerequisites: BIOL 20204, 20214, 20234, NTDT 20403, SOCI 20213 and NURS 10303. This course introduces the student to the profession of nursing through an overview of nursing based on historical, theoretical, political, social, and economic perspectives. Students are introduced to nursing roles, the US healthcare system, ethical decision making, cultural competency, health promotion, standards of practice, and professional accountability.

**NURS 20231 - Special Problems in Nursing (1)**

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 (2)**

Supervised study for students who transfer into Nursing or for students who exhibit special needs during the freshman or sophomore years.

**NURS 20263 - Health Assessment: Concepts (3)**

Prerequisites: BIOL 20204, 20214, 20234, NTDT 20403, SOCI 20213, and NURS 10303. This course presents an overview of client assessments. It will focus on expected findings, normal variations, and most common unexpected findings for diverse clients. Principles and theories of growth and development throughout lifecycle as they relate to assessment will be discussed. Additionally, there will be an emphasis on

communication and interviewing strategies, and techniques to conduct comprehensive and focused assessments as well as the use of standardized assessment tools.

#### **NURS 20271 - Health Assessment: Lab (1)**

Prerequisites: BIOL 20204, 20214, 20234, NTD 20403, SOCI 20213, NURS 10303. This course guides the student to perform total and focused assessments and in the use of standardized assessment tools for clients across the life span. The student will practice interviewing, assessing, and documenting findings and applying concepts of human development, cultural and ethnic cultural considerations when performing assessments.

#### **NURS 20363 - Pathophysiology (3)**

Prerequisites: BIOL 20204, 20214, 20234, NTD 20403, SOCI 20213, and NURS 10303. Introduction to abnormal functioning of cells, tissues, organs, and systems over the human lifespan. Clinical manifestations of disease processes will be explored.

#### **NURS 20403 - Health Disparities in African Americans (3)**

This course provides an in-depth view of health disparities in African Americans addressing the key determinants impacting health outcomes incorporating a multidisciplinary, theoretical approach. Students will also explore the importance of federal, state, and local organizations in decreasing health disparities.

#### **NURS 20441 - Seminar in Global Health (1)**

Prerequisites: Admission to nursing, health science or pre-nursing program. This course will explore collaborative approaches for addressing global solutions in integrated health, business, education and engineering systems using culturally intelligent team-based approaches.

#### **NURS 30002 - Junior Honors Seminar (2)**

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 (3)**

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 30163 - Pharmacotherapeutics (3)**

Prerequisite: BIOL 20204, 20214, 20263, 20271, 20363; Concurrent: NURS 30263, 30182, 30171. This course begins the nursing student's education on the concepts of pharmacotherapeutics by establishing a knowledge base that applies to safety, patient care, and education. At the completion of this course, the student will understand the major drug classifications and the nurse's responsibility in relation to medication administration and the nursing process. Basic mathematics skills are also necessary.

#### **NURS 30171 - Foundations of Nursing Care: Lab (1)**

Prerequisites: NURS 20263, NURS 20271, NURS 20363, and NURS 20043. This course introduces basic nursing skills with focus on safe performance of psychomotor skills, safety, communication, professionalism, and critical thinking.

#### **NURS 30182 - Foundations of Nursing Care: Clinical (2)**

Prerequisites: NURS 20263, NURS 20271, NURS 20363, and NURS 20043. This course focuses on basic nursing skills with focus on safe performance of psychomotor skills, safety, communication, professionalism, and critical thinking in the clinical setting.

#### **NURS 30241 - Geriatric Nursing Resources I (1)**

Prerequisites: NURS 20263, 20271, and 10303. This is a companion course with NURS 30182 Foundations of Nsg Care: Clinical intended to enhance their learning about geriatric nursing care. This lecture with integrated lab will address the complex nursing care issues of older adults. The multifaceted concepts of aging, the physiologic and psychosocial changes and challenges associated with the process, and the appropriate nursing interventions will be discussed.

#### **NURS 30243 - Professional Role II: Member of the Healthcare Team (3)**

Prerequisite or concurrent: NURS 20263, 20271, 20363, 20043; ENGL 10803, 20803. This course introduces and explores the role of the nurse

as a member of the interprofessional team within the local and global community. Students are introduced to global health care delivery systems and population health principles. The course includes an emphasis on innovative teaching strategies for diverse learners and emerging uses of technology within the healthcare system.

#### **NURS 30251 - Geriatric Nursing Resources II (1)**

Prerequisites: NURS 10303, 20263, 20271, 30263/30182/30171, and 30241. This is a companion course with NURS 30582 Adults Health Alt. I: Clinical intended to continue to enhance learning about geriatric nursing care. This directed study will address the complex nursing care issues of older adults. The multifaceted concepts of aging, the physiologic and psychosocial changes and challenges associated with the process, and the appropriate nursing interventions will be discussed.

#### **NURS 30263 - Foundations of Nursing Care: Concepts (3)**

Prerequisites: NURS 20263, 20271, 20363, and NURS 20043. This course introduces basic nursing concepts to provide a foundation for nursing practice. Major concepts emphasized are health and wellness, health promotion, nursing process, critical thinking, communication, safety, and education.

#### **NURS 30330 - Directed Study in Nursing (1.00-3.00)**

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. (This course is only offered as P/NC.)

#### **NURS 30331 - Dosage Calculations for Nurses (1)**

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. (This course is only offered as P/NC.)

#### **NURS 30340 - Directed Study in Nursing (1.00-3.00)**

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 30342 - Honors Project Development (2)**

Prerequisites: NURS 30243, 30263, 30182, 30171 and 30163. This course prepares nursing honors students to envision and develop a creative, scholarly project supporting nursing practice, patient outcomes, or identifying new knowledge.

#### **NURS 30433 - Families, Caregivers, and People Living with Dementia (3)**

This course is an introduction to dementia and those people living with dementia. Major concepts and theories of dementia and person-centered care will be introduced. Students will explore the current demographic trends in society, health and healthcare concerns of people living with dementia, issues of stigma, family relationships and social support, and quality of life. Offered as HCHS 30783 or NURS 30433 credit. Nursing majors will enroll in NURS 30433. All other students will enroll in HCHS 30783.

#### **NURS 30441 - Resilient Clinical Nurse (1)**

Prerequisites: Students must be entering their Junior I semester of nursing school or have special permission from the instructor. This is an introduction to skills that foster resiliency in healthcare workers. We will explore major concepts of resiliency in healthcare, personal awareness, adaptation to stress, values and burnout, empathy, mindfulness meditation/mindfulness in daily living, self-compassion practices, and other strategies to deal with difficult emotions.

#### **NURS 30442 - Aspects of Women's Health I (2)**

Prerequisites: Open to NURS majors who have successfully completed NURS 20043, NURS 20363, NURS 20271 and NURS 20263 and with the permission by an instructor. This course provides the student an introduction to women's health nursing in our community and in various geographical locations and various care settings.

**NURS 30503 - Issues in Women's Health (3)**

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 (3)**

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 30563 - Care of Adults with Health Alterations I: Concepts (3)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. This course applies the nursing process to meet the health promotion, restoration, and chronicity needs of clients and families experiencing alteration of selected body systems. Emphasizes the use of critical thinking, interprofessional collaboration, and evidence-based practice in planning care for diverse adults across the lifespan.

**NURS 30582 - Adults with Health Alterations I: Clinical (2)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. This practicum applies the nursing process to meet the health promotion, restoration, and chronicity needs of patients experiencing health alterations. Students utilize critical thinking, interprofessional collaboration, and evidence-based practice in implementing patient/family-centered professional care.

**NURS 30583 - Aspects of Oncology (3)**

Prerequisites: NURS 30563, 30582 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 30593 - Oncology Nursing Residency (3)**

Prerequisites: NURS 30563, 30582 and 30583. The student will have the opportunity to provide care in an inpatient oncology setting that requires the application of principles and knowledge necessary for interdisciplinary care of cancer patients along the cancer continuum.

**NURS 30633 - Professional Role III: Member of the Research and Evidence Based Practice Community (3)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. This course examines the research process and the theory and technique related to development of evidence-based nursing practice. The student will learn to critique nursing research and identify examples of evidence based change in the practice setting.

**NURS 30663 - Behavioral Health Nursing: Concepts (3)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. Explores concepts and principles of individual, family, group and community systems experiencing psychopathology. Introduces behavioral health alterations and human responses evoked by those alterations. Emphasizes nursing strategies and actions to promote behavioral health.

**NURS 30671 - Clinical Reasoning and Simulation I (1)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. This course builds on previously learned concepts and nursing skills, introduces selected additional nursing skills and reinforces current level-specific concepts in simulation-based learning experiences. More complex clinical reasoning concepts and strategies are incorporated into learning experiences.

**NURS 30682 - Behavioral Health Nursing: Clinical (2)**

Prerequisites: NURS 30263, 30182, 30171, 30163, 30243. Explores concepts and principles of individual, family, group and community systems experiencing psychopathology. Introduces behavioral health alterations and human responses evoked by those alterations. Emphasizes nursing strategies and actions to promote behavioral health.

**NURS 30783 - Adult Nursing I: Practicum (3)**

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. (This course is only offered as P/NC.)

**NURS 31003 - Applied Nursing Concepts and Learning Strategies (3)**

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 40001 - NCLEX (National Council Licensure Examination in Nursing) Review (1)**

This course will reinforce and complement prior knowledge gained in the nursing curriculum. Students will utilize clinical judgement to review previously learned nursing concepts. Completion of the course will assist students to further prepare for National Council Licensure Examination in Nursing (NCLEX).

**NURS 40003 - Senior Honors Project (3)**

Prerequisites: NURS 30563, 30582, 30663, 30682, 30633, 30671, and 30341. This course applies the concepts of theory, research, and evidence-based practice learning in NURS 30633 to support the design, implementation, and successful completion of a creative project. Strong consideration for both internal and external dissemination via poster, podium, and potential manuscript will be emphasized. A scholarly project is required involving an area of nursing for in-depth investigations.

**NURS 40011 - Senior Honors Project I (1)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30633, 30341, and 30342. This course applies the concepts of theory, research, and evidence-based practice learning in NURS 30633 and NURS 30342 to support the design, implementation, and successful completion of a scholarly project.

**NURS 40012 - Sr Honors Project II (2)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30633, 30341, 30342 and 40011. This course applies the concepts of theory, research, and evidence-based practice learning in NURS 40011 to support implementation, and successful completion of a scholarly project. A scholarly project is required involving an area of nursing for in-depth investigations. Both internal and external dissemination via poster, podium, and potential manuscript will be emphasized.

**NURS 40563 - Care of Adults with Health Alterations II: Concepts (3)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30671, 30633. This course applies the nursing process to meet the health promotion, restoration, and chronicity needs of clients and families experiencing complex alterations of selected or multiple body systems. Emphasizes the use of critical thinking, interprofessional collaboration, and evidence-based practice in planning care of diverse adults across the lifespan.

**NURS 40573 - Pediatric Oncology Care (3)**

Prerequisites: NURS 40663, NURS 40682. This course provides the student an in-depth introduction to pediatric oncology nursing. Observational opportunities in various oncology settings will be provided. Legal, political, socio-cultural, ethical, and research implications for pediatric nursing practice will also be considered. This class builds upon previous knowledge mastered in adult medical-surgical nursing, pediatric nursing, child development, pharmacology, teaching strategies and the sciences.

**NURS 40582 - Adults with Health Alterations II: Clinical (2)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30671, 30633. This practicum applies the nursing process to meet the health promotion, restoration, and chronicity needs of patients experiencing complex health alterations of multiple body systems. Students operationalize critical thinking, interprofessional collaboration, and evidence-based practice in implementing patient/family-centered professional care.

**NURS 40592 - Nursing Care of Neonate (2)**

Prerequisites: Only nursing students in the senior II status may take this course. This course is designed to be a two hour lecture once a week with a preceptor led clinical observation component (comprised of 12 hours). This is an elective for senior II students. In the class meetings we examine the most common health conditions of neonates in the neonatal intensive care unit. The students will learn the principles and knowledge of care of a neonate. Students will have the opportunity to observe care in the neonatal intensive care setting that will reinforce the application of principles and knowledge necessary for interdisciplinary care of neonates and their families.

**NURS 40663 - Maternal, Child and Family Nursing Concepts (3)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30671, 30633. This course focuses on nursing care related to maternal child health within the context of the family. The role of nursing in promoting, maintaining and restoring health will be emphasized.

**NURS 40672 - Clinical Reasoning in Simulation II (2)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30671, 30633. This course builds on previously learned concepts and nursing skills, introduces selected additional nursing skills and reinforces current level-specific concepts in simulation-based learning experiences. More complex clinical reasoning concepts and strategies are incorporated into learning experiences.

**NURS 40682 - Maternal, Child and Family Nursing: Clinical (2)**

Prerequisites: NURS 30563, 30582, 30663, 30681, 30671, 30633. Provision of nursing care related to maternal child health within the context of the family. The role of nursing in promoting, maintaining and restoring health will be emphasized.

**NURS 40763 - Leadership in Nursing Practice: Concepts (3)**

Prerequisites: NURS 40563, 40582, 40663, 40682, and 40672. Theories and principles of leadership and management provide the foundation for managing health care systems. Analyzes management roles and leadership competencies within various health care settings. Explores concepts that promote safety and a healthy workplace in health care organizations.

**NURS 40783 - Transition into Practice: Clinical (3)**

Prerequisites: NURS 40563, 40582, 40663, 40682, and 40672. Provides an intensive opportunity for the student to integrate prior knowledge in clinical practice. Students are required to demonstrate competence in assessment, planning, prioritizing, and evaluation in the care of multiple clients.

**NURS 40863 - Public Health Nursing: Concepts (CSV) (3)**

Prerequisites: NURS 40563, 40582, 40663, 40682, and 40672. Explores the concept of community/population as client. Examines population-focused methods of assessment, planning, implementation, and evaluation. Emphasizes the public health nurse's role in addressing health care needs of populations using systems theory, epidemiology, levels of prevention, and the national agenda for population health.

**NURS 40871 - Clinical Reasoning in Simulation (1)**

Prerequisites: NURS 40563, 40582, 40663, 40682, and 40672. This course builds on previously learned concepts and nursing skills, introduces selected additional nursing skills and reinforces current level specific concepts in simulation-based learning experiences. More complex clinical reasoning concepts and strategies are introduced and incorporated into simulation-based learning experiences.

**NURS 40882 - Public Health Nursing: Clinical (2)**

Prerequisites: NURS 40563, 40582, 40663, 40682, and 40672. Students assume professional roles that require application of leadership principles and team building for assessment, implementation, and evaluation for population-focused interventions.

**NURS 50003 - Advanced Pathophysiology (3)**

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 (3)**

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 - Professional Aspects of the Advanced Practice Registered Nurse (2)**

Prerequisites: Admission to Graduate Program. The course will facilitate transition to the role of the DNP prepared advanced practice registered nurse (APRN) through exploration of leadership, profession, and practice prospectives within the metaparadigm of nursing. Emphasis is placed on exploring roles within advanced practice, theories of change, collaboration, advocacy, autonomy, titling, certification, and licensure issues.

**NURS 50053 - Advanced Pharmacotherapeutics (3)**

Prerequisites: Admission to Graduate Program or permission of instructor. Emphasizes pharmacological principles fundamental to the selection of pharmacologic agents in altered health states in individuals 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. Safe drug administration and prescribing practices will be addressed.

## PEAC - Phys Educ Activity Courses

**PEAC 10101 - Football (1)**

Football. (This course is only offered as P/NC.)

**PEAC 10111 - Track and Cross Country (1)**

Track Cross Country. (This course is only offered as P/NC.)

**PEAC 10121 - Golf (1)**

Golf. (This course is only offered as P/NC.)

**PEAC 10131 - Tennis (1)**

Tennis. (This course is only offered as P/NC.)

**PEAC 10141 - Basketball (1)**

Basketball. (This course is only offered as P/NC.)

**PEAC 10151 - Baseball (1)**

Baseball. (This course is only offered as P/NC.)

**PEAC 10161 - Swimming and Diving (1)**

Swimming and Diving. (This course is only offered as P/NC.)

**PEAC 10171 - Gymnastics (Cheerleaders) (1)**

Gymnastics (Cheerleaders). (This course is only offered as P/NC.)

**PEAC 10181 - Soccer (1)**

Soccer. (This course is only offered as P/NC.)

**PEAC 10191 - Volleyball (1)**

Volleyball. (This course is only offered as P/NC.)

**PEAC 10201 - Varsity Equestrian (1)**

Varsity Equestrian. (This course is only offered as P/NC.)

**PEAC 10231 - Personal Defense (1)**

Techniques and theories of basic personal defense skills. (This course is only offered as P/NC.)

**PEAC 10261 - Tae Kwon Do (1)**

An introduction to the skills, techniques, strategies and conditioning of Tae Kwon Do.. (This course is only offered as P/NC.)

**PEAC 10301 - Women's Rifle (1)**

Varsity rifle. (This course is only offered as P/NC.)

**PEAC 10311 - Beginning Softball (1)**

Fundamental skills, techniques and strategies of softball. (This course is only offered as P/NC.)

**PEAC 10331 - Beginning Soccer (1)**

Fundamental skills, techniques and strategies of soccer. (This course is only offered as P/NC.)

**PEAC 10341 - Basketball (1)**

Fundamental skills, techniques and strategies of basketball. (This course is only offered as P/NC.)

**PEAC 10411 - Body Conditioning (1)**

Fundamental principles of exercise, individualized programs with lifetime fitness goals and fitness related activities. (This course is only offered as P/NC.)

**PEAC 10421 - Weight Training (1)**

Basic weight training techniques, personalized workout programs, and concepts and knowledge related to the development of individualized programs. (This course is only offered as P/NC.)

**PEAC 10462 - Climb, Camp, and Paddle (2)**

Takes place both indoors and outdoors, focusing on group leadership and hard skills needed for climbing, backpacking and paddling trips. Additionally, to meet the student learning outcomes of this course, all students are required to attend a minimum of two overnight trips as scheduled through TCU Outdoor Program during the semester of which the course is taken. A course fee is charged to cover gear, transportation, all costs associated with required overnight trips, and

equipment. Certifications available such as Leave No Trace Wilderness Education Association: Outdoor Leader Certificate.

#### **PEAC 10471 - Rock Climbing (1)**

This course covers the basics of safe and responsible rock climbing. Topics include equipment, knots, belaying, rappelling, and a range of climbing techniques.

#### **PEAC 10481 - Cycling (1)**

Equipment selection, safety, riding techniques and training programs associated with biking. (This course is only offered as P/NC.)

#### **PEAC 10491 - Jogging (1)**

Techniques, principles and practice in jogging. (This course is only offered as P/NC.)

#### **PEAC 10521 - Aerobic Dance (1)**

Aerobic conditioning rhythmic workouts, with emphasis on fitness and cardiovascular conditioning while performing directed and individual routines. (This course is only offered as P/NC.)

#### **PEAC 10601 - Beginning Swimming (1)**

Emphasis on stroke development and water safety designed for the non-swimmer. (This course is only offered as P/NC.)

#### **PEAC 10611 - Intermediate Swimming (1)**

Individual stroke development, conditioning and water safety. American Red Cross standards maintained with emphasis on improving swimming skills. (This course is only offered as P/NC.)

#### **PEAC 10622 - Lifeguarding and CPR (2)**

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. (This course is only offered as P/NC.)

#### **PEAC 10631 - Water Safety Instructor's Course (1)**

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. (This course is only offered as P/NC.)

#### **PEAC 10651 - Scuba Diving (1)**

Prerequisite: Good health and basic swimming skills. This class consists of knowledge development in the classroom, and confined water skills in the pool with the goal of being able to safely plan and execute repetitive scuba dives to the depth limit appropriate for beginning divers. PADI Certification available. (This course is only offered as P/NC.)

#### **PEAC 10661 - Sailing (1)**

This course covers the basics of safe and responsible sailing. Topics include tacking, jibing, upwind and downwind sailing, docking, mooring, crewing, basic knot tying, and rigging and derigging of a sailboat. Students will also learn teamwork, safety procedures, and the management of emergency situations on the water. Class will meet once a week for the entire semester at a sailing facility at a local lake.

#### **PEAC 10671 - Water Polo (1)**

Fundamental skills, rules and offensive tactics of water polo. Conditioning and game situations. (This course is only offered as P/NC.)

#### **PEAC 10691 - Swim Conditioning (1)**

Physical conditioning through aquatic activities. Concepts of swim conditioning and endurance as well as stroke improvement. (This course is only offered as P/NC.)

#### **PEAC 10711 - Badminton (1)**

Skill, techniques of play and competitive strategies of badminton. Singles and doubles play. (This course is only offered as P/NC.)

#### **PEAC 10721 - Racquetball (1)**

Fundamental skills, rules, basic shots, game strategies, equipment and safety of racquetball. (This course is only offered as P/NC.)

#### **PEAC 10731 - Advanced Racquetball (1)**

Continuation of racquetball. Prerequisite: PEAC 10721 or equivalent experience. (This course is only offered as P/NC.)

#### **PEAC 10741 - Beginning Tennis (1)**

Fundamental skills, basic strokes, rules, strategies and game play of tennis. (This course is only offered as P/NC.)

#### **PEAC 10751 - Intermediate Tennis (1)**

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. (This course is only offered as P/NC.)

#### **PEAC 10761 - Advanced Tennis (1)**

Refinement of advanced techniques and strategies of tennis. Prerequisite: PEAC 10751 or equivalent experience. (This course is only offered as P/NC.)

#### **PEAC 10771 - Beginning Golf (1)**

Fundamental skills of swing, stance, and basic club use, putting and practice in course play. (This course is only offered as P/NC.)

#### **PEAC 10781 - Advanced Golf (1)**

Emphasis will be on skill and stroke improvement with individual assistance in game play. (This course is only offered as P/NC.)

#### **PEAC 10801 - Fundamentals of Bowling (1)**

Basic skills rules and strategies of bowling. (This course is only offered as P/NC.)

#### **PEAC 20031 - Team Sports (1)**

Fundamental knowledge and the development of skills associated with selected team sports. (This course is only offered as P/NC.)

#### **PEAC 20990 - International Residential Study (1)**

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 - Philosophy**

#### **PHIL 10003 - Philosophy One (3)**

(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. Note: Credit not awarded for both PHIL 10003 and PHIL 10103.

#### **PHIL 10103 - Mind, Meaning and Morality (3)**

This course provides an introduction to philosophy focused on the metaphysical, ethical, and value questions, What (who) are we? What should we do? and What makes life meaningful? Answers from various figures in Western thought will be explored, compared, and evaluated, providing a basis for further study of these in upper level courses. Note: Credit not awarded for both PHIL 10003 and PHIL 10103.

#### **PHIL 10113 - Mind, Meaning and Morality II (3)**

Prerequisite: PHIL 10103. This course is a continuation of PHIL 10103 (Mind, Meaning, and Morality I) and provides an exploration of various conceptions of freedom, determinism, and objectivity, particularly as they emerge out of ancient and modern explanations of human agency and purpose into 19th and 20th Century attitudes towards the self, moral responsibility, socio-political organization, scientific knowledge, and the natural world.

#### **PHIL 10433 - Freshman Seminar in Philosophy (3)**

Topics may vary each time course is offered.

#### **PHIL 10533 - Freshman Seminar in Philosophy (3)**

Topics may vary each time it is offered.

#### **PHIL 20103 - Critical Reasoning (3)**

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 20203 - The Art and Science of Human Flourishing (3)**

What is the purpose of your education? How does it relate to creating a flourishing life, one filled with deep satisfaction, well-being, resilience, and accomplishment? What can we learn from the humanities and sciences about the varieties of human flourishing and its key ingredients, and how can you develop your own personal vision of that life? What skills and knowledge would you need to realize that vision? This course aims to assist you in finding your own answers to these questions so as to lay the foundation for flourishing during your undergraduate years, while also preparing you for a life of flourishing in personal, civic, and professional contexts. We will explore perspectives from both the humanities and sciences in ways that are directly relevant to university life, and we will engage in practices, such as mindfulness and meditation, which will help you develop the intellectual and emotional dispositions—resilience, compassion, gratitude, and others—that research shows are central to human flourishing.

**PHIL 20213 - Philosophy and Film (3)**

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 20303 - Moral Problems (3)**

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 20313 - Death (3)**

In this class we will explore some of the classic metaphysical and moral problems that surround the topic of death. Some of the questions the class may discuss include: What is death? Do we have a soul? Is death a harm? Is life a benefit? Is euthanasia morally permissible? Is abortion morally permissible? Is it morally permissible to kill animals so that we may eat them? May we sacrifice the lives of some in order to save the lives of others?

**PHIL 20323 - Bioethics (3)**

An examination of some of the ethical issues that arise in the field of medicine. Topics typically include the moral status of abortion, euthanasia, stem cell research, informed consent, cloning, and the just distribution of scarce medical resources.

**PHIL 20333 - Environmental Philosophy (3)**

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 20343 - Mind, Consciousness, Self (3)**

This course explores several conceptions of mind, consciousness, and self within both the Western and Eastern traditions. These conceptions are similar in their rejection of the view that cognition and consciousness reside exclusively (or in any way) within a thinking substance or ego, or are somehow uniquely enskullled or brainbound. Topics we will consider include attention and awareness, extended cognition and mind, embodiment, situatedness, self-consciousness, interpersonal neurobiology, animal minds, neurotechnology, personal identity, boundaries of self, not-self or selflessness, the evolutionary self, and the ecological self.

**PHIL 20353 - Philosophy of Music (3)**

An introduction to some basic issues in the philosophy of music. What is the difference between music and noise? What is a work of music? Are works of different traditions fundamentally different kinds of entities? What is a musical performance, and what is it for a performance to be accurate or authentic? What are the relevant social, cultural, economic, and ethical considerations when playing or otherwise engaging with certain kinds of music? Readings will be a mix of classic and contemporary papers by leading philosophers of music.

**PHIL 20990 - International Residential Study (1.00-20.00)**

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 (3)**

Prerequisite: Permission of instructor.

**PHIL 30133 - Symbolic Logic I (3)**

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.

**PHIL 30143 - Symbolic Logic II (3)**

Prerequisite: PHIL 30133. A continuation of 30133, with an emphasis on predicate logic, nonstandard logic, and metalogic.

**PHIL 30203 - Metaphysics (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course. A systematic examination of the central issues in metaphysics. Topics include the nature of possibility and necessity, persistence through time and change, material constitution and composition, and criteria of ontological commitment. A portion of the course will also focus on methodological issues pertaining to the nature of metaphysical questions and claims. Readings will be a mix of classic and contemporary papers by leading metaphysicians.

**PHIL 30303 - Ethical Theory (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course. 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 30323 - Philosophy of Religion (3)**

RELI 30633 Prerequisite: Any 10000-level or 20000-level PHIL course, 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 Philosophies (3)**

A survey of major intellectual traditions of Asia, including Indian, Chinese, and Japanese philosophies. Topics include social and political philosophy, concepts of the individual and Nature, and the nature of reality and knowledge.

**PHIL 30343 - Sex, Society, and Ethics (3)**

This course introduces students to the myriad ways in which sexual desire and sexual activity are structured by social relations and to the ways that sexuality, sexual practices, and sexual identities vary in time and space. We will also consider how those social relations and sexual identities influence ethical judgment regarding various sexual practices and attitudes. Social science and philosophical theories of sexuality will be considered and cross-cultural and historical accounts of sexual practices will be reviewed. (Offered as PHIL 30343 or SOCI 30773 credit)

**PHIL 30353 - Political Philosophy (3)**

Prerequisite: Any 10000-level or 20000-level PHIL course. 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 30373 - Existential Philosophy (3)**

Prerequisite: Any 10000-level or 20000-level PHIL course. This course offers students an opportunity to reflect on such topics as the search for meaning, being, freedom, the self, embodiment, authenticity, love, and ethics as they are dealt with in texts by major writers in the 19th and 20th century movement known as existentialism.

**PHIL 30383 - Philosophy of Psychology (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course or an upper-division Psychology or Neuroscience course. This course will focus on Philosophical issues foundational to Psychology. Specifically, it will involve an interdisciplinary exploration of the nature, mechanisms, and architecture of cognition. Topics include: models of psychological explanation, the nature of commonsense psychology and the relationship between rationality and mental causation, functionalist

approaches to cognition, computational vs. neural network models of mind, and the relationships between perception, action, and cognition.

**PHIL 30393 - Philosophy of Mind (3)**

Prerequisite: Any 10000-level or 20000-level PHIL course. 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 30413 - Introduction to Philosophy of Law (3)**

Prerequisite: Any 10000-level or 20000-level PHIL course. 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 (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course. 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 (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course. 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 30443 - Free Will and Moral Responsibility (3)**

Prerequisites: any 10000-level or 20000-level PHIL course. While we praise, blame, and punish people for their actions, we don't hold everyone responsible for everything they do. Moral responsibility looks to be intimately tied to a person's free will. We will discuss a range of views on what's required for agents to be free, and therefore morally responsible for their actions.

**PHIL 30463 - Mind, Body, Ecology (3)**

Prerequisites: None, but PHIL 10003, 10103, or 20343 encouraged. This course will explore various Western and non-Western conceptions of mind, consciousness, and self with particular attention to the interconnectedness of mind, body, and environment. An expanded understanding of our interconnectedness can enhance our awareness of climate change so that we can make positive changes in our lifestyles an assume important leadership roles for the betterment of humanity and the environment. Topics include attention and awareness, mindfulness, embodiment, situatedness, neuroscience, phenomenology, ecology, ecocentrism, inequity, and climate.

**PHIL 30493 - Philosophy of Cognitive Science (3)**

Prerequisites: Any 10000-level or 20000-level PHIL course or an upper-division Psychology or Neuroscience course. The aim of this course is to focus on philosophical principles that are implicitly assumed in standard" Cognitive Science."

**PHIL 30970 - Philosophical Studies (1.00-20.00)**

Prerequisite: Permission of instructor. Topics vary as announced. May be repeated for credit. 1-6 hours

**PHIL 30990 - International Residential Study (1.00-20.00)**

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 31990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

Prerequisite: Permission of instructor. 1-3 hours

**PHIL 40103 - Seminar in Logic (3)**

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 (3)**

Prerequisite: PHIL 30383 or 30393 or 30493. Course content to vary by semester and will include such areas as philosophy of mind, action theory, and ontology.

**PHIL 40213 - Ancient Greek Philosophy (3)**

Prerequisites: Any 30000 level PHIL course. A survey of the major figures in Western thought between the sixth century BCE and fifth century CE. Among those included are the Presocratics, Plato, Aristotle, and the Hellenistic philosophers. This course also applies to the minor in Classical Studies minor.

**PHIL 40220 - 20th Century Philosophy (1-6)**

Prerequisite: Any 30000-level PHIL course and permission of the instructor. An historical study of one or more philosophical movements in the twentieth century. Topics vary and include analytic, existential, or phenomenological philosophy. May be repeated for credit. (3-6 hours).

**PHIL 40223 - History of Modern Philosophy (3)**

Prerequisites: Any 30000-level PHIL course. 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 (3)**

Prerequisites: PHIL 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 (3)**

Prerequisites: PHIL 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 (3)**

Prerequisites: Any 30000-level PHIL course 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 40263 - Socrates and the Socratic Tradition (3)**

Prerequisites: Any 10000-level and any 30000-level Philosophy course. This course is a survey of the philosophy of Socrates and the development of his ideas in Plato and Aristotle. Students will read various Socratic dialogues and a few of Plato's middle dialogues that show significant Socratic influence. The course will conclude with a brief survey of Aristotle's conception of language, thought, reality, and virtue.

**PHIL 40273 - Contemporary Philosophy (3)**

Prerequisite: Any 30000-level PHIL course and permission of the instructor. An historical study of one or more philosophical movements in the 20th Century to the present. Topics vary and may include analytic philosophy, or Buddhist modernism. May be repeated once for a total of 6 hours credit as course topic changes.

**PHIL 40303 - Seminar in Value Theory (3)**

Prerequisite: PHIL 30303. A close examination of advanced issues in value theory. Topics may include the views of major historical figures such as Bentham, Hume, Kant, Locke, and Sidgwick, the moral realism-antirealism, debate, topics in moral psychology, and moral epistemology.

**PHIL 40323 - Advanced Issues in Philosophy of Science (3)**

Prerequisite: PHIL 30423 or 30433. An examination of advanced issues in philosophy of science, for example, issues concerning theory confirmation and issues concerning explanation.

**PHIL 40333 - Philosophy of Law and Economics (3)**

Prerequisites: PHIL 30303 or 30353 or 30413. Philosophy of 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.

### **PHIL 40343 - Advanced Issues in Philosophy of Law (3)**

Prerequisite: PHIL 30303 or 30353 or 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 (3)**

Prerequisites: PHIL 30303 or 30353 or 30413. A philosophical analysis of some selected topics that are central to political philosophy. Topics may include analyses of the nature of human rights, political authority, the moral duty to obey the law, freedom, or justice.

### **PHIL 40363 - Moral Psychology (3)**

Prerequisites: Two prior PHIL courses (any level), or permission of instructor. Moral psychology is precisely what it sounds like - the intersection of the study of morality (typically the domain of philosophy) and the study of our mental processes (typically the domain of psychology). It is an area in which we ask fundamental questions about the moral nature of human beings, and pursue the answers to these questions via a constant exchange between philosophical theory and empirical data.

### **PHIL 40373 - Art and the Aesthetic (3)**

Prerequisite: Any 30000-level PHIL course. 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 (3)**

Prerequisite: 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 40403 - Advanced Issues in Epistemology (3)**

Prerequisite: PHIL 30423 or 30433. An examination of advanced issues in epistemology, for example, issues concerning rational degrees of belief, issues concerning the intersection of epistemology, philosophy of language, and philosophy of mind, and issues concerning epistemological methodology.

### **PHIL 50970 - Directed Studies in Philosophy (1.00-20.00)**

Prerequisite: Permission of instructor.

## **PHYS - Physics**

### **PHYS 10073 - Concepts in Physical Science (3)**

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 (1)**

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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 10153 - General Physics I (3)**

Prerequisites: High school algebra and trigonometry or MATH 10054 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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 10154 - General Physics I with Laboratory (4)**

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 10054 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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 10161 - General Physics II Laboratory (1)**

One 2-hour laboratory per week. Prerequisite: PHYS 10163, which is normally taken concurrently. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10161, 10163, 10164, 20481, 20483, and 20484.

### **PHYS 10163 - General Physics II (3)**

Prerequisite: PHYS 10153. Continuation of Physics 10153. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10161, 10163, 10164, 20481, 20483, and 20484.

### **PHYS 10164 - General Physics II with Laboratory (4)**

Prerequisites: PHYS 10154 (or PHYS 10153/10151), high school algebra and trigonometry or MATH 10054, 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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10161, 10163, 10164, 20481, 20483, and 20484.

### **PHYS 10263 - Cosmic Origins (3)**

This course will examine the development of human understanding of the critical events in the origin and evolution of the Universe. Two hours of lectures and one two-hour lab per week.

### **PHYS 10273 - Introductory Astronomy: Earth and Planets (3)**

Two hours of lectures and one 2-hour laboratory per week. Structure and origin of the solar system. Laboratory assignments may be scheduled in the evening.

### **PHYS 10283 - Introductory Astronomy: Stars and Galaxies (3)**

Two hours of lectures and one 2-hour laboratory per week. Stars, galaxies, stellar evolution, and cosmology. Laboratory assignments may be scheduled in the evening.

### **PHYS 10293 - Archaeoastronomy (3)**

Two hours of lectures and one 2-hour laboratory per week. The course will explore naked-eye astronomy, including motion of the Sun, Moon, planets, and stars. Course will investigate the development of astronomy, calendars, writing and numeration among early civilizations, and how it supported or established their societies.

### **PHYS 10433 - Freshman Seminar in Physics: Utter Chaos (3)**

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 (3)**

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 10503 - Energy (3)**

Two hours lecture and one 2-hour laboratory per week. The course will explore the fundamental laws and natural processes related to energy production, transport, storage, and uses.

### **PHYS 10901 - First-Year Physics and Astronomy Seminar (1)**

Prerequisites: Declared major or minor in Physics or Astronomy. A first year seminar for majors. Introduction of 'modern' physics and astrophysics ideas. Experimental, theoretical, observational, and computational research methods. Areas of application of physics to pure and applied research. Introduction to career opportunities in academic, industrial, and other settings. Physics educational experiences at TCU outside of the academic classroom.

### **PHYS 20053 - Physics of Music and Sound (3)**

Three hours 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 20323 - Scientific Analysis & Modeling (3)**

Fundamental statistical analysis techniques, plotting, and data management. Introduction to Python programming, coding standards, documentation, and version control. Database query skills, introduction to instrument control systems.

### **PHYS 20471 - Physics I Laboratory (1)**

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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 20473 - Physics I Mechanics (3)**

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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 20474 - Physics I with Laboratory: Mechanics (4)**

Prerequisite: MATH 10524, which may be taken concurrently, or permission of instructor. Three hours of lectures 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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10151, 10153, 10154, 20471, 20473, and 20474.

### **PHYS 20475 - Physics I for Majors: Mechanics (5)**

Prerequisites: MATH 10524, which may be taken concurrently, or permission of instructor. Four hours of lectures and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. The first of a three-semester sequence for students majoring in physics, including Newton's laws of motion, the conservation of momentum, angular momentum, and energy; and the theory of gravitation. Credit will not be granted for this course and any of the following: PHYS 10151, 10153, 10154, 20471, 20473, 20474.

### **PHYS 20481 - Physics II Laboratory (1)**

One 2-hour laboratory per week. Prerequisite: PHYS 20483, which is normally taken concurrently. Selected experiments that demonstrate the concepts of Physics II. No more than one semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10161, 10163, 10164, 20481, 20483, and 20484.

### **PHYS 20484 - Physics II with Laboratory: Electromagnetism and Optics (4)**

Prerequisites: PHYS 20474 (or PHYS 20473/20471), MATH 20524, which may be taken concurrently, or permission of instructor. Three hours of lectures 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. No more than four semester hours of credit (three semester hours for lecture and one semester hour for lab) will be granted for any combination of PHYS 10161, 10163, 10164, 20481, 20483, and 20484.

### **PHYS 20485 - Physics II for Majors (5)**

Prerequisites: PHYS 20475, MATH 20524 which may be taken concurrently, or permission of instructor. Four hours of lectures and one 2-hour laboratory per week selected to reinforce the concepts discussed in lecture. The second of a three-semester sequence for students majoring in physics, including electric charge, current and field; magnetism, time varying electromagnetic fields; physical and geometric optics. Credit will not be granted for this course and any of the following: PHYS 10161, 10163, 10164, 20481, 20483, 20484.

### **PHYS 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (4)**

Prerequisite: CHEM 10013 or 10113. 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. (Crosslisted as ENGR/PHYS 30014.)

### **PHYS 30113 - Intermediate Astronomy (3)**

Prerequisites: PHYS 10263 and 10273, PHYS 20474 and 20484 or PHYS 20475 and 20485, or PHYS 10154 and 10164. Physical properties of planets, stars, and galaxies.

### **PHYS 30123 - Observational Astronomy (3)**

Prerequisites: PHYS 10263 and 10273. Two hours of lectures and two hours of lab per week. Topics covered include telescopes, astronomical measurement techniques, modern detectors and instrumentation, the effect of the Earth's atmosphere on light. Selected experiments in telescope properties and resolution, photometry, spectroscopy, geometrical and physical optics, atomic physics, and studies of astronomical survey data.

### **PHYS 30163 - Evolution and Exploration of the Solar System (3)**

Prerequisites: GEOL 10113, or any one of PHYS 10164/10263/10273, or permission of instructor. Three hours of lectures per week. This course will launch you into space with past and present spacecraft missions and bring you back to Earth with meteorite research. Throughout the semester, this course will examine the geology and geologic processes occurring on and within planetary bodies throughout the Solar System. This course is intended for science and non-science majors. (Crosslisted as GEOL/PHYS 30163.)

### **PHYS 30313 - Theoretical Methods in Physics (3)**

Prerequisites: PHYS 20484 or 20485 and MATH20524 and permission of instructor. Survey of mathematical and computational methods used in the junior and senior level physics courses. Students will develop analytic problem-solving skills and be introduced to the use of Mathematica and Python programming.

**PHYS 30473 - How the Human Body Works**

Prerequisites: pre-calculus, PHYS 10164 or PHYS 20484 or 20485 or permission of instructor. This course will explore the fundamental laws and natural processes related to the mechanics, biophysics, and biochemistry of the human body. It is designed for pre-health, kinesiology, biology nursing and physics students who want to understand the foundations and biophysical principles that govern human life. The course will focus on the science of physiological processes from simple mechanical motion, breathing, blood flow and oxygen exchange to vision, neuronal processes and the basics of genetics and proteomics. The biophysical elements of human function and human development in the context of environmental influences and live adaptation will be discussed. The evolution of approaches to understanding physiological functions as it has been governed by modern scientific developments will be briefly discussed. The course will also provide a simple understanding of recent technologies that have been applied to the study of physiological processes like muscle contraction, blood transport, cell function, neuronal processing, and DNA replication.

**PHYS 30474 - How the Human Body Works (4)**

Prerequisites: pre-calculus, PHYS 10164 or PHYS 20484 or 20485 or permission of instructor. Three hours of lecture and one two-hour lab per week. This course will explore the fundamental laws and natural processes related to the mechanics, biophysics, and biochemistry of the human body. It is designed for pre-health, kinesiology, biology nursing and physics students who want to understand the foundations and biophysical principles that govern human life. The course will focus on the science of physiological processes from simple mechanical motion, breathing, blood flow and oxygen exchange to vision, neuronal processes and the basics of genetics and proteomics. The biophysical elements of human function and human development in the context of environmental influences and live adaptation will be discussed. The evolution of approaches to understanding physiological functions as it has been governed by modern scientific developments will be briefly discussed. The course will also provide a simple understanding of recent technologies that have been applied to the study of physiological processes like muscle contraction, blood transport, cell function, neuronal processing, and DNA replication.

**PHYS 30483 - Physics III Laboratory (3)**

One hour of lecture and four hours of laboratory per week. Prerequisite: PHYS 30493, which may be taken concurrently. Selected topics in modern physics.

**PHYS 30491 - Physics III Laboratory**

Three hours of laboratory per week. Prerequisite: PHYS 30493, which may be taken concurrently. Selected topics in modern physics.

**PHYS 30493 - Physics III Modern Physics (3)**

Prerequisites: PHYS 20474 and 20484, or 20475 and 20485, or 10154 and 10164, and MATH 20524. Relativity, introduction to quantum mechanics, atomic structure, nuclear physics, and modern physics.

**PHYS 30553 - Mechanics (3)**

Prerequisites: PHYS 20474 or 20475 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 (3)**

Prerequisites: PHYS 30493, MATH 30524 or permission of instructor. Statistical formulation of the laws and applications of thermodynamics.

**PHYS 30703 - Digital Electronics (3)**

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 30843 - Biomedical Imaging (3)**

Prerequisites: PHYS 20484 or 20485 or 10164. An introduction to image formation for molecular and medical applications. This course covers the fundamentals of optic, x-ray and MRI, image creation, detectors, basics of image processing, quantitative analysis and a variety of applications in biophysics and in medicine. Includes off-campus lab work. (Crosslisted as BIOL/PHYS 30843.)

**PHYS 30990 - International Residential Study (1.00-20.00)**

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 33990 - International Residential Study (1.00-20.00)**

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 (3)**

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 direction 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 (1.50-3.00)**

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 (3)**

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 (3)**

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 (3)**

Prerequisites: PHYS 20484 or 20485 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 (3)**

Prerequisite: PHYS 40653. Electromagnetic radiation in free space and in materials; geometrical optics; interference and diffraction; Fourier optics; introduction to nonlinear optics.

**PHYS 40703 - Nonlinear Dynamics (3)**

Prerequisites: PHYS 20323, and 30313, and 30493, and MATH 30524 and all with a C- or better, or permission of instructor. Techniques for analyzing nonlinear and pattern-forming systems. Topics covered may include maps, bifurcations, strange attractors, fractals, linear stability methods, amplitude equations, defects, instabilities and traveling waves, Lyapunov spectra and correlation functions. Students will learn to build models of biological systems and to use analytical tools to develop intuition and make quantitative predictions about the system's behavior.

**PHYS 50030 - Seminar in Contemporary Physics (1.00-4.00)**

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 (3)**

Prerequisite: Permission of instructor, PHYS 30553 is recommended. Characterization of chaos, routes to chaos, dissipative dynamical systems, Hamiltonian systems.

**PHYS 50713 - Contemporary Topics in Physics (3)**

Prerequisite: Permission of department chair. 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 (3)**

Prerequisites: PHYS 30493 and MATH 30524. Crystal structure, lattice dynamics, free electron theory, band theory, optical, electric and magnetic properties of solids.

**PHYS 50733 - Computational Physics (3)**

Prerequisites: PHYS 20484 or 20485 and MATH 30524. Computational methods used in physics, systems of linear equations, eigenvalues problems, numerical solution of differential equations using Python.

**PHYS 50743 - Stellar Astrophysics (3)**

Prerequisite: Permission of department chair. Spectra and spectral line formation, stellar atmospheres and interiors, star formation and evolution.

**PHYS 50753 - Topics in Biophysics (3)**

Prerequisites: PHYS 20474 and 20484 or PHYS 20475 and PHYS 20485 or PHYS 10154 and 10164 and MATH 10524, or permission of instructor. This course will introduce students to a variety of biophysics topics focusing on the application of physics principles to biological systems. Topics covered might include membrane transport, impulses in nerve cells, external electric and magnetic fields, imaging, ultrasound, electromagnetic radiation, radiation therapy, nuclear magnetic resonance, crystallography, spectroscopy and signal analysis.

**PHYS 50763 - Experimental Methods in Biochemistry and Biophysics (3)**

Prerequisite: Permission of instructor. This course will introduce students to experimental techniques developed and used to investigate biological systems. It will discuss modern techniques used in the biomedical sciences, drug discovery and other biophysical and biochemical fields. The course includes lectures, demonstrations, and hands-on exercises in the TCU Biophysics Laboratory and on instrumentation at the Center for Commercialization of Fluorescence Technologies (CCFT) at the UNT Health Sciences Center campus. (Crosslisted as CHEM/PHYS 50763.)

**PHYS 50773 - Cosmology (3)**

Prerequisites: PHYS 30493 and permission of instructor or graduate standing. Three hours of lecture covering concepts including the early universe, dark matter, dark energy and a theoretical understanding of early galaxy formation and evolution.

**PHYS 50813 - Meteorites, Asteroids, and Planets (3)**

Prerequisite: GEOL 30213 or PHYS 30493, or permission of instructor. Three hours of lectures per week. An interdisciplinary course exploring the history and formation of the Solar System from the Big Bang through the formation and evolution of the planets. (Crosslisted as GEOL/PHYS 50813.)

**PHYS 50901 - Scientific Citizenship (1)**

Prerequisites: Junior, Senior, or Graduate standing. This is a senior and graduate seminar for majors to prepare advanced undergraduates and graduate students for success within and beyond the TCU Physics and Astronomy program. This class will provide basic skills and knowledge essential for student academic and career success. Five-week topics will rotate on a two to three year cycle and include topics such as: Career Skills, Scientific Public Communication, Intro to Scientific Programing, Publishing Grants, Basic Research Statistics, Research Policy, and Ethics and Diversity. Course may be repeated for credit.

**PHYS 50970 - Special Problems in Physics (1.00-3.00)**

Prerequisite: Permission of department chair. 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)

## PORT - Portuguese

**PORT 10103 - Portuguese for Beginners (3)**

A beginning course intended for students with no previous knowledge of the language. The skills of comprehension, speaking, reading, and writing are taught at the elementary level, with an emphasis on oral proficiency in everyday situations encountered in Portuguese-speaking countries. No prerequisite. (No credit given to native or heritage speakers.)

**PORT 10203 - Portuguese for Beginners 2 (3)**

Prerequisite: PORT 10103 or equivalent. Continued study of beginning Portuguese. (No credit given to native or heritage speakers.)

**PORT 20103 - Portuguese for Beginners 3 (3)**

Prerequisite: PORT 10203 or equivalent. Completion of the beginning-level survey of the Portuguese language. (No credit given to native or heritage speakers.)

**PORT 20203 - Intermediate Portuguese (3)**

Prerequisite: PORT 20103 or equivalent. Review, reinforcement, and integration of the skills at the beginning level. This course bridges the beginning level and the next level of intensive study. (No credit given to native speakers; heritage speakers may receive credit with permission of the department.)

**PORT 20503 - Portuguese for Spanish Speakers (3)**

Prerequisites: SPAN 20203, 20213, or equivalent. Native Spanish speakers and heritage speakers are welcome with departmental approval. An intensive beginning Portuguese course designed for Spanish speakers and learners. The course focuses on the similarities and differences between Spanish and Portuguese, especially Brazilian Portuguese. The course comprehends basic vocabulary and fundamentals of grammar through practice in speaking, listening comprehension, reading and writing. The use of different media to explore cultural aspects of the Portuguese-speaking world is an integral part of the course.

**PORT 20990 - International Residential Study (1.00-20.00)**

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.

**PORT 30000 - Portuguese Study Abroad (1.00-15.00)**

Credits, from 1 to 15, taken at an approved study abroad site. Credits accepted only for graded courses taught in Portuguese.

**PORT 30503 - Advanced Brazilian Portuguese (3)**

Prerequisites: PORT 20503 or equivalent. This course focuses on the language and culture of Brazil. Through exposure to authentic material such as essays, chronicles, short stories and film, students will use the Portuguese language to explore a variety of topics ranging from personal anecdotes to societal and cultural issues that are relevant to understanding Brazil. Class is taught entirely in Portuguese.

**PORT 30863 - Culture of Brazil (3)**

Prerequisite: PORT 20203 or equivalent. A study of the cultural institutions, both historical and contemporary, that distinguish Brazilian society.

**PORT 30990 - International Residential Study (1.00-20.00)**

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 - Political Science

**POSC 10093 - Introduction to Political Science (3)**

Introduces students to varying thought on and divergent practices of politics in a variety of nations.

**POSC 10133 - American and Texas Government (3)**

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 (3)**

Topics may vary each time it is offered.

**POSC 20093 - Scope and Methods of Political Science (3)**

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 - Introduction to American Politics (3)**

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 (4)**

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 (3)**

Introduction to the normative or value dimensions of political inquiry through the study of selected classics in political literature.

**POSC 20303 - International Politics (3)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

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 (3)**

Identifies the rationales for democracy, contrasts the institutional variation among contemporary persistently democratic societies, examines rival explanations for this variation, and prepares the student for the development of a senior capstone project.

**POSC 30990 - International Residential Study (1.00-20.00)**

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 31003 - Topics in American Politics (3)**

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 31113 - Campaigns and Elections (3)**

This course focuses primarily on campaigns and elections for national offices (especially Congress), however comparisons are made with state and local situations when appropriate. The class surveys the significant components of elections and campaigns to illuminate the implications of changes in the recent past, and the impact of these changes on governance in the United States.

**POSC 31123 - Public Opinion (3)**

This course examines the origin, content, and measurement of the American public's views toward political matters. Topics include the values that unite us; the controversies that divide us; the social, historical, and psychological roots of contemporary American public opinion; the science of polling; and the responsiveness of the government.

**POSC 31133 - Political Participation (3)**

This course is an overview of the factors that influence political participation with a focus on the United States and comparison to other democracies. Models of participation, the role of demographic characteristics, and the influence of the political system and culture are analyzed. Political participation is examined at the individual and aggregate levels.

**POSC 31143 - Political Psychology (3)**

The course examines the psychological aspects of the political behavior of individuals, including the general public, elites, and activists. It analyzes their consequent political behaviors in various groups and institutional contexts. Topics may include the development and functioning of ideology, political communication, decision-making, perception, and the impact of experiences on psychological states and processes.

**POSC 31213 - Congress (3)**

This course looks at the organization, behavior, and impact of the U.S. Congress. Some of the topics that will be considered are the recruitment and election of members, congressional organization and procedures, legislative policy-making, executive-legislative relations, and congressional reform.

**POSC 31223 - Presidential Leadership (3)**

This class examines presidential leadership, the constitutional basis of presidential power, presidential elections, and presidential interactions with other branches of government.

**POSC 31233 - Congress and the Presidents (3)**

This course explores the relationship between Congress and the presidency. Topics include the effect of events and individual personalities upon the ebbing and flowing relationship that exists between the legislative and executive branches of our government, and the principle problems and achievements of the most recent presidential administrations.

**POSC 31313 - Parties and Interest Groups (3)**

This course focuses primarily on American political parties and interest groups by comparisons are made with several other democracies. The historical development of political parties and their current organizational structure, strengths and weaknesses, and the role in elections and in governing are analyzed. The role of interest groups in shaping public policy and influencing electoral politics is also critically examined.

**POSC 31323 - Media and Politics (3)**

This course shines a critical light on the American news media by explaining how political news is made, exploring its effect on political institutions and process, and critiquing its role in American democracy. Topics include ideological bias, press norms and constraints, corporate ownership, media effects, and new media.

**POSC 31413 - Public Policy (3)**

This class is an overview of the policy process in the United States and includes analysis of major issues associated with domestic public policy, including elements of economic and social policy.

**POSC 31423 - Health Care Policy (3)**

In this class, the centrality of health care policy is examined. Topics covered include interest group behavior in health care, the core policies related to health care, and the challenges that remain in health care policy.

**POSC 31433 - U.S. Immigration Politics (3)**

This course examines how the United States responds to and is transformed by migration.

**POSC 31443 - Human Trafficking in the United States: Public Policy and Political Discourse (3)**

This course is an introduction to the public policy issue of human trafficking through analyzing the perspectives of the different stockholders of anti-trafficking policy, including law enforcement, prosecutors, policymakers, judges, bureaucrats, the public, competing interest groups, and victims. This course also has a service-learning component that allows students to directly engage with the issue through site visit and research opportunities with local NGOs working to combat human trafficking in North Texas.

**POSC 31513 - Gender and American Politics (3)**

This course examines how the political system, through the policies it establishes and enforces, affects those who identify as female and their families. It also examines the role of gender and sexuality in the political arena itself. The course considers what public policy is and how sex, gender, and sexuality impact legal, political, and social rights.

**POSC 31523 - The Civil Rights Movement in America (3)**

This course surveys the history and politics of the modern African American civil rights movement and uses it as a vehicle to explore the

theory and practice of group-centered leadership development; the nature of social movements and the role of grassroots activism; the connections between civil rights and other struggles for social justice, past and present; and the origins and persistence of structural racial inequality in the U.S. Credit not awarded for both POSC 31523 and HIST 30833.

**POSC 31533 - American Identity Politics (3)**

This course is about identity politics in the United States, which is a complex interdisciplinary topic that covers issues of race, gender, class, religion, age, and myriad of other identities that are core to human self-concept. As such, the course is divided into three sections. First, we will cover the central theories of identity in sociology and social psychology that have been used by political scientists to understand political phenomenon. The second section of the course will critically examine specific identities - those that have received disproportionate attention in political science literature - in light of the identity theories. The final section of the course will reflect on proposed strategies for best handling the oft-contentious nature of identity politics in a diverse democratic society.

**POSC 31543 - The Chicano/a Movement, Latino/a Politics, and Immigration Rights (3)**

This course surveys the history of the modern Chicano/a civil and immigration rights movement and explores Latino/a politics and immigration policy as ways to understand the nature of social movements and the role of grassroots activism; the connections between civil rights and other struggles for social justice, past and present; and the origins and persistence of structural racial and ethnic inequality in the United States. (Offered as POSC 31543 or HIST 30823 credit)

**POSC 31613 - Texas Politics in Comparative Perspective (3)**

This class examines Texas Politics in a comparative perspective. We will examine Texas's historical role in the national government, its constitution, politics and policies alone and in comparison to other states, and its political environment.

**POSC 31623 - Urban Politics (3)**

This course provides a broad survey of the political, economic, and social issues and challenges confronting American cities and metropolitan areas. Major topics include the historical development of cities and governance; theories of urban politics and power; urban economic development; demographic changes; race and ethnicity; metropolitan growth patterns; and select contemporary urban public policies.

**POSC 31713 - Controversies in US Politics (3)**

The class will examine the perennial dilemmas between freedom, order and equality especially as they pertain to political ideology and public policy. To understand the dilemmas, we will examine the basic structure of our government with special attention paid to the structural tensions that augment these dilemmas. Next we will look at how the dilemmas surface in contemporary debate among liberals and conservatives and how the dilemmas impact the definition of policies in the United States.

**POSC 31723 - Science Fiction and Politics (3)**

This class examines how science fiction enhances our ability to analyze politics, particularly through the use of counterfactuals and forecasting. By examining a variety of science fiction short stories, movies, and series, students learn how to critically analyze several public policy challenges for American government, including citizenship, immigration, the role of intelligence and expertise in policymaking, and the international challenge of failed states.

**POSC 31803 - Transnational Human Trafficking (3)**

This study abroad class will explore the political, economic, and social factors that influence the State Department in writing the Trafficking in Persons Report. Students will investigate these issues using India as a case study. Through meetings with U.S. Government officials in India, Indian government officials, Indian NGOs, and international organizations, students will gain an understanding of the complexity of foreign policymaking and learn about the sensitive interplay between the U.S. government and foreign governments, NGOs, and international organizations in shaping foreign policy.

**POSC 31903 - U.S. Intelligence Bureaucracy (3)**

Prerequisites: Junior Standing. This class broadly covers the history and structure of the U.S. intelligence community. We will study the history of intelligence collection in the U.S. from George Washington to the present and learn about the structure of the Central Intelligence Agency and the functions of the different units. We will also grapple with the

challenges, tradeoffs, and ethics of intelligence collection in a democratic society that values transparency, accountability, and human rights

**POSC 31990 - International Residential Study (1.00-20.00)**

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 32003 - Topics in Political Theory (3)**

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 32013 - Western Political Thought: Renaissance to the Age of Ideology (3)**

Prerequisites: POSC 20203. The course examines new directions in political thought that emerged with the Renaissance and the Reformation, and traces the development of modern political theory through the Enlightenment. Attention is given to the relationship between theory innovation and modernizing revolutions."

**POSC 32023 - Distributive Justice (3)**

Prerequisite: POSC 20203. Examines contrasting concepts of distributive justice and their rival theoretical bases from Aristotle to the present.

**POSC 32033 - Applied Ethics (3)**

Prerequisites: POSC 20203. This course examines what it means to apply rival general ethical systems (i.e., consequentialism, deontology and virtue ethics) in everyday life, contrasting the relative strengths and weaknesses of these distinctive conceptions of ethics in the process.

**POSC 32043 - Justice (3)**

Prerequisite: POSC 20203. What would a just society look like? Students examine libertarian, liberal, and socialist answers to this question. Authors assigned typically include Rawls, Nozick, Marx, and others, with an emphasis on contemporary thinkers and debates. Attention is paid to the implications of various theories of justice for practical policy issues such as taxation, income inequality, the size and scope of government services, and moral limits of the market.

**POSC 32053 - Global Justice (3)**

Prerequisites: POSC 20203. Students investigate global institutions and international relations from an ethical point of view. Topics include just war theory, global democracy, immigration, and global distributive justice. Readings drawn mainly from contemporary sources. Representative authors include John Rawls, Michael Walzer, and Peter Singer.

**POSC 32063 - Democratic Theory (3)**

Prerequisites: POSC 20203. Democracy is a global catchword today-but its meaning is contested and changing. This course provides a lucid overview of major theories of democracy, including liberal, pluralistic and participatory versions together with critical evaluations from inside and outside the west.

**POSC 32073 - History of Political Violence (3)**

Prerequisites: POSC 20203. This course offers a critical assessment of the History of Political Thought by means of exploring the concept of violence within a wide variety of contexts: carceral, institutional, legal, familial, colonial, neoliberal, and others.

**POSC 32083 - Comparative Political Theory (3)**

Prerequisites: POSC 20203. The course offers an important contribution to learning political theories and concepts form an interdisciplinary perspective, particularly in this globalized and interconnected world. CPT scholars study the political thought of non-western political traditions, exploring the ontological and epistemological assumptions that undergird differently situated political perspectives.

**POSC 32113 - Ancient and Medieval Political Thought (3)**

This course traces the development of political theory from Greek antiquity through the medieval period. Through close analysis of key philosophical texts by Greek and Christian thinkers, students will learn about the foundations of Western political thought.

**POSC 32990 - International Residential Study (1.00-20.00)**

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 33003 - Topics in International Politics (3)**

Topics studied include such areas as foreign policy, globalization, international political economy, diplomacy and bargaining, and various regional issues.

**POSC 33013 - United Nations Institutions and Processes (3)**

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 33023 - International Organizations Research (3)**

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 33033 - Conflict and Negotiation (3)**

This class is a theoretical examination of interstate (international) and intrastate (civil) war. In particular, the class will examine whether or not the factors that lead states to fight wars are related to the factors that lead states to negotiate an end to conflicts. After a theoretical introduction to the causes of war and peace, the class will draw on historic and present conflicts to evaluate the various theoretical explanations presented in class.

**POSC 33103 - Feminist International Relations Theory (3)**

The objective of this course is to examine the theories of International Relations through a gender-sensitive lens that takes into consideration the role of feminist theory and the positions of women. Throughout the semester students will discover what it means to use gender as a lens for viewing and understanding the world, and how that lens can be used to deconstruct issues of power.

**POSC 33113 - Globalization and Political Economy (3)**

Globalization is often used to describe the increasing interconnectedness of the world in terms of communication, culture, economics, politics, and technology. This course examines the origins and dilemmas associated with globalization and the transnational institutions established to cope with this process. In addition, we will discuss the various theories with regard to globalization and its effects on international political economy.

**POSC 33123 - Globalization (3)**

This course is designed to provide a forum for analysis and discussion of some of the most significant and vexing issues of global politics and political economy in the post-Cold War and the Post-Modern era in the context of globalization, and the intellectual debates surrounding it. Some of the concepts discussed include globalization, environmental degradation, the impact of high-tech and global economic interdependence, inequality, migration, hybrid identity and religious revivalism.

**POSC 33133 - Energy and Global Geostrategy (3)**

This course will introduce students to issues surrounding energy, global political economy and global geo-strategy. Through historical analysis, students will reflect on the significant role that energy has played in charting the political map of the twentieth century and continues to shape political and economic events today. Students will investigate and explore the role of fossil fuels, unconventional resources, renewables and other alternative source of energy, while discussing their cost-effectiveness, environmental impact and viability to satisfy the increasing global demand for energy. By the end of the course, students will be able to identify, define and analyze pertinent issues surrounding global energy security and environmental sustainability.

**POSC 33203 - Political Economy of Human Trafficking (3)**

This course is designed to be an introduction to the political economy of human trafficking where students will spend two weeks studying abroad with site-enhanced visits. We will meet with government officials and

representatives from local NGOs who will discuss some of the factors contributing to human trafficking and will engage in service learning activities that give students hands on experience in the three P's of human trafficking: prevention, prosecution and protection. Through these experiences students will gain a better understanding of the political and economic factors that contribute to the growth of human trafficking around the globe.

**POSC 33503 - Contemporary U.S. Foreign Policy (3)**

Examines contemporary challenges and opportunities for U.S. foreign policy.

**POSC 33513 - United States Foreign Policy Making (3)**

Examines the processes by which U.S. foreign policy is made and the actors and motivations involved.

**POSC 33523 - U.S. Foreign Policy in Film (3)**

Examines the major events shaping U.S. foreign policy from the end of World War II to the present. The course augments a traditional lecturer and discussion format with the use of selected feature films to convey an emotional understanding of the period under study.

**POSC 33533 - International Humanitarian Intervention (3)**

The course will examine modern day international responses to the emergency needs of people damaged by both major disasters and by the multitude of inter and intra state conflicts that have arisen in much of the world since the end of the Cold War.

**POSC 33603 - International Relations of East Asia (3)**

This course serves as an introduction to the international relations (IR) of East Asia. We will begin with an introduction to Asia's distinct historical and cultural traditions and review some of the commonalities that can be drawn across states in the region. Next, we will focus on some of the key actors in Asia - China, Japan, North and South Korea - examining how they interact with each other as well as how they engage other important actors such as the US. Finally, we will examine economic development, institutions, and security concerns as they relate to the strategic interests of the region and individual states.

**POSC 33613 - The International Relations of Japan (3)**

This course examines Japan's relationship with the rest of the world. We begin with a focus on World War Two, but most of the class focuses on Japan's postwar relationships, as they relate to trade, international security, and international norms.

**POSC 33623 - Chinese Foreign Policy (3)**

This course will examine China's foreign relations from the founding of the People's Republic of China (PRC) in 1949 to the present. We will explore the theories and concepts involved in the study of foreign policy, followed by an in-depth examination of the domestic factors shaping China's foreign policy goals and implementation.

**POSC 33633 - Russian Foreign Policy (3)**

Examines Russian foreign policies and how and why particular policies are (or have been) formulated and implemented from the end of the Cold War to the present.

**POSC 33703 - Mideast Conflicts (3)**

Examines the major conflicts shaping the modern Middle East, from the 1890s to the present and seeks to understand these conflicts, their root causes, and the possibilities for peace in the region.

**POSC 34003 - Topics in Public Law (3)**

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 34013 - Constitutional Law: Powers (3)**

An overview of the Supreme Court as a political institution and its role in defining the limits of power among the three branches of the national government and between the states and the national government.

**POSC 34023 - Due Process in the Criminal Courts (3)**

An overview of the 4th Amendment (searches and seizures,) the 5th Amendment (double jeopardy, privilege against self-incrimination and federal due process of law), the 6th Amendment (speedy trial, confrontation of witnesses, and right to counsel), the 8th Amendment (excessive bail, cruel and unusual punishment, and the 14th Amendment (state due process.)

**POSC 34033 - Constitutional Law: Amendment One (3)**

An overview of the rights of the First Amendment, including speech, press, religion, association, assembly and petition.

**POSC 34043 - Equality Under the Law (3)**

An overview of cases involving categorical discrimination under the 14th Amendment's Equal Protection Clause.

**POSC 34053 - Comparative Judicial Politics (3)**

This course explores how courts abroad operate, including organization of courts, selection and appointment mechanisms, judicial independence, judicial review, human rights and the role of courts in the larger political system.

**POSC 34063 - International Human Rights and Humanitarian Law (3)**

An overview of rights recognized under the principle of customary law and under several international or transnational covenants and conventions.

**POSC 34073 - Moot Court (3)**

Prerequisite: Must be selected as a member of the TCU Intercollegiate Moot Court Team. Appellate advocacy involving cases taken from the current or recent dockets of the Supreme Court of the United States, as well as the current case problem set by the American Collegiate Moot Court Association.

**POSC 34083 - Constitutional Law: Rights and Liberties (3)**

This constitutional law course explores how the Supreme Court has defined and applied the rights contained in Amendment I, Amendment XIV and other rights implied from the first nine amendments. The focus is on the Court as a policy-making branch of the U.S. government.

**POSC 34093 - Judicial Politics (3)**

An overview of law, courts and politics in the United States and the various theories that have been proposed to explain decision-making by judges, prosecutors, law enforcement and juries.

**POSC 35003 - Topics in Comparative Politics (3)**

European politics, Asian politics, Latin American politics, Middle Eastern politics, developing political systems, etc.

**POSC 35013 - Comparative Democratic Systems (3)**

Examines the rationales for democracy, contrasts the institutional variation among contemporary persistently democratic societies, and introduces rival explanations for this variation.

**POSC 35023 - Comparative Social Movements (3)**

Why do people join together in protest, often at great cost to themselves in money, time, and/or risk of serious personal injury? This course will examine this and other questions related to social movement organization, strategy, and impact. It will look at these questions on a theoretical level and as they apply to a variety of real world social movements in different national contexts.

**POSC 35033 - Islam and Politics (3)**

This course presents a study of Islam and politics. It attempts to shed light on how Islamic theology molds and provides legitimacy for political discourse of resistance as well as power politics. More specifically, the focus is on politics of Islam and how it sets the political agenda. Among topics of interest would be a discussion of Islam and terrorism, Islam and Human rights, and the prospects for relations between the Muslim World and the West.

**POSC 35043 - Politics of Developing Nations (3)**

This course focuses on the political problems associated with development: the problems of poverty, economic development - the colonial heritage, economic dependence, and the character of the Third World state; the problems of political development - clientelism, corruption, and centralized state power; and the problem of establishing a stable form of government - transition from authoritarian rule, democracy, liberalization and democratization.

**POSC 35503 - The Politics and the Culture of the Middle East and North Africa (3)**

This course would present a historical analysis of the rise and decline of the Middle East. We would stress power and authority relationships, the role of political culture in evolution of regional politics. Special emphasis will be placed upon the capacity of Middle Eastern political systems to confront the related challenges of modernization, political development and democratization.

**POSC 35603 - Japanese Politics and Society Through Film (3)**

In this course we examine Japanese politics and society through both the scholarship of those who have dedicated their lives to studying Japan and through films (mostly films made by and for Japanese audiences.) Ultimately, we will strive to understand how Japanese politics and society work and to use this understanding to deepen our sense of how politics and societies function more generally.

**POSC 35613 - The Politics of Japan (3)**

This class will introduce students to Japan's postwar political system. In addition to learning how the political system works in the abstract, we also examine the way that the political system has actually functioned, particularly in regards to the relationship between the state and society, economic governance, and foreign policy.

**POSC 35623 - Politics of China (3)**

This course will examine the social, economic and institutional elements that shape the politics of the People's Republic of China. The issues covered in the course include: political culture, civil society, political elites, democracy, development, and environmental politics.

**POSC 35633 - Contemporary Issues in China (3)**

This course is designed to be an introduction to Chinese history, politics, economics, and civilization where students will spend two weeks in China with site-enhanced visits. The primary locations are Beijing and Shanghai, where students will have an opportunity to visit the Forbidden City, Summer Palace, Lama Temple and several other sites to see how the country blends tradition with modernization. Through these experiences students will gain a better understanding of China and see how one of the world's most rapidly developing countries is adjusting to the demands of globalization.

**POSC 35643 - Entrepreneurship in China (3)**

This course will examine the development of an entrepreneurial mindset in modern China, focusing on the period from 1949 to the present. The course covers the history of entrepreneurship in China and how market reforms introduced in the post-1978 era helped inspire creativity, innovation, and the creation of new values among the Chinese. This transition to an economic model which the Chinese refer to as socialism with Chinese characteristics, has transformed China both economically and politically.

**POSC 35703 - Politics of Western Europe (3)**

This course introduces students to the various institutions, political cultures and decision-making apparatus of the nations of Western Europe and the European Union.

**POSC 35713 - Politics of the European Union (3)**

An exploration of the creation and functioning of the European Union and its effects on politics of the Member States.

**POSC 35723 - Political Life in Central Europe (3)**

This course is onsite, and is offered as a part of the TCU Summer study abroad program. It is intended to provide a forum for discussion and analysis of post-Communist transition in Hungary and Czech Republic since the 1989 revolution that overthrew Communism.

**POSC 35733 - Economic Transition in Hungary, Czech Republic, and Croatia (3)**

Prerequisites: Upper division standing. This site-enhanced study abroad course would focus on the study of economic transition in Hungary, Czech Republic and Croatia since the revolution of 1989 that toppled Communism in these countries. We would study the process of privatization of formerly state-owned enterprises and the building of a market economy and Capitalism with a comrade face". We would also study the economic impact of European Union Accession on these countries and overcoming the challenges of corruption and the creation of a social safety net."

**POSC 35803 - Latin America: The Challenge of Democratic Consolidation (3)**

The course examines key factors (patterns of conquest, inter-American relations) that have shaped Latin American politics historically and then focuses concentrated attention to the factors that affect Third Wave democratization in the region. Much of the course is centered on case studies.



**POSC 39003 - Topics in Political Science Methods (3)**

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 39013 - Survey Research (3)**

Prerequisites: POSC 20093, MATH 10043 or its equivalent. This is a course that will study the use of surveys in political science. Students will learn to assess surveys for their quality, to write a survey, to take the survey from concept to fruition, to analyze survey data, and to write a research paper from the analysis they do.

**POSC 39023 - Game Theory in International Relations (3)**

Prerequisites: POSC 20093. This class is designed as a workshop to introduce students to the use of game theory in international relations. The first part of the class will provide students with basic instruction on game theory and formal models, including how to create a decision tree, how to find equilibrium points in a game, and how to design a basic game. The second part of the class will be a writing workshop as students progress in their original research and writing in pursuit of a written project that incorporates formal methodology.

**POSC 39033 - Foreign Policy Analysis (3)**

Prerequisites: POSC 20093. Teaches the skills associated with traditional decision-making analysis applied to a foreign policy setting.

**POSC 39043 - Case Study Research (3)**

Prerequisite: POSC 20093. This course is about case study research - the study of a set of events bounded by space and time. Its emphasis is on how to formulate research questions and design research strategies for the rigorous application of social science standards and logics of inference in those instances where the empirical evidence involved is primarily qualitative rather than quantitative, and where a limited number of cases can and should be studied in significant detail.

**POSC 39053 - Experimental Methods in Political Science (3)**

Prerequisites: POSC 20093. This class is an introduction to the use of experimental methodology in political science. Students will compare experimental methods to other methods of social scientific inquiry, and learn about the core concepts in experimental design. Students will then design, field, and analyze data from their own experiments and produce an original research paper by the end of the semester.

**POSC 39063 - Interviews and Ethnography in Political Science (3)**

Prerequisites: POSC 20093. This course introduces you to two related qualitative research methodologies--interview research and ethnography--as used in social sciences in general and in political science in particular. Although these two research methodologies differ in a number of important ways, what unites them is that in order to use both techniques well, the researcher is required to have long, open-ended conversations with research subjects.

**POSC 39990 - International Residential Study (1.00-20.00)**

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 40001 - Research Tutorial (1)**

Prerequisites: POSC 20093. This course is designed to prepare students to conduct original research generally and to complete an undergraduate thesis specifically. The course lays the groundwork for the formulation, design and completion of an original research project. Through seminars and project assignments, students work through the identification of a research question to the preparation of a specific research design to complete the project, with appropriate training in the techniques and strategies at each stage. Student work culminates in the completion of a research proposal that is presented for approval by a faculty committee, which then leads to the completion of the thesis during the subsequent semester.

**POSC 40003 - Senior Honors in Political Science (3)**

Prerequisites: POSC 30003 or 40093, and 40001. 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.

**POSC 40093 - Distinction Program Capstone Course (3)**

Membership in good standing in the department's Distinction Program. Identifies the rationales for democracy, contrasts the institutional variation among contemporary persistently democratic societies, examines rival explanations for this variation, and prepares the student for the development of a senior capstone project.

**POSC 40900 - Internship in Political Science/British Studies (1.00-20.00)**

Full-time internships with a public or private agency in Washington, D.C., offered through the Washington Center. The internship will allow students to integrate theory and practice in a supervised professional setting, up to 12 semester hours credit.

**POSC 40910 - Washington Internships (1.00-12.00)**

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 (1.00-12.00)**

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 (1.00-3.00)**

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.) (This course is only offered as P/NC.)

**POSC 40960 - Civic Literacy Internships (3)**

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.) (This course is only offered as P/NC.)

**POSC 40970 - Independent Study in Political Science (1.00-20.00)**

Prerequisite: A specific program of study approved by instructor prior to enrollment. (1-6 semester hours)

**POSC 40983 - Career Development Practicum (3)**

Prerequisites: 6 hours of POSC coursework completed. Exploration of career options and career readiness for political science majors. This course will guide students to explore career options, identify career paths and relevant experiences, develop skills (e.g., interviewing techniques, adopting professional attitudes and behavior), and engage in resume building and career mentoring.

## PSYC - Psychology

**PSYC 10110 - Techniques of College Learning (3)**

Prerequisite: Freshman or sophomore standing or consent of the instructor. 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 - Introduction to Psychology (3)**

One of the prerequisites for higher-level psychology courses. An introduction to the science of psychology, including basic brain and behavioral processes, memory and cognition, human development, social behavior, and psychological disorders. Integrates biological, social, cognitive, and learning influences on behavior and addresses the role of cultural differences and diversity. Credit cannot be given for both PSYC 10213 and either 10514 or 10524.

**PSYC 10514 - Principles of Behavior I (4)**

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 (4)**

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 20313 - Psychology of Choice (3)**

This course will evaluate current issues involved in choice, including the debate between determinism and free will, and the paradox of choice. The course aims to provide an appreciation of the interplay between theory and empirical research. This course will cover questions like when we choose, how we choose, and why we regret from a psychological perspective. The goal is for the student to gain a greater appreciation and understanding of the factors that influence choice and choice satisfaction.

**PSYC 20333 - Basic Leadership Theory and Skills (3)**

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 (3)**

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 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

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? (3)**

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 (3)**

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 30313 - Developmental Psychology (3)**

Prerequisites: PSYC 10213 or 10514 or 10524. This course explores the stages of development, including infancy, early and middle childhood, adolescence, adulthood, and the end of life, from a lifespan perspective of human development, including physical, cognitive, and psychosocial changes.

**PSYC 30323 - Child Psychology (3)**

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 30343 - Social Psychology (3)**

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 (3)**

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 (3)**

Prerequisite: PSYC 10213, or 10514, or 10524 and junior standing. Personality and behavior processes in normal and deviant personalities; variations and causes of psychopathology, problems of classification, diagnosis and management.

**PSYC 30373 - Organizational Psychology (3)**

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 - Psychology of Diversity and Social Justice (3)**

Prerequisites: PSYC 10213, 10514, or 10524. An exploration of various forms of oppression, including racism, sexism, ageism, heterosexism, and inclusivity at various levels will be addressed.

**PSYC 30393 - Evolutionary Psychology (3)**

Prerequisites: PSYC 30503. This class will teach students the fundamental principles of evolution and show how these principle can be used to provide new insights into human social behavior. Examples of topics to be covered are emotions, motivation, sexual attraction, parenting, aggression, and status-seeking. This course has a written component.

**PSYC 30414 - Experimental Psychology: Learning (4)**

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 (3)**

Prerequisite: PSYC 30503 and at least one of the following: PSYC 10514, PSYC 30463, or PSYC 30483. Two lectures and one laboratory period per week. Prerequisite: PSYC 30503. Basic experimental techniques employed in the study of detection, discrimination and recognition of visual and auditory stimuli.

**PSYC 30433 - Experimental Psychology: Motivation (3)**

Prerequisite: PSYC 30503. Basic concepts, theories, and techniques employed in the study of motivation.

**PSYC 30443 - Psychology of Personality (3)**

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 (3)**

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. Credit cannot be earned for both PSYC 30453 and PSYC 30523.

**PSYC 30463 - Introductory Neuroscience (3)**

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. (Crosslisted as BIOL/PSYC 30463.)

**PSYC 30473 - Comparative Psychology (3)**

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 (3)**

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 30503 - Research Methods in Psychology (3)**

Prerequisite: PSYC 10213, or 10514, or 10524, plus MATH 10043. Basic elements of research methods used in psychological science including research-planning, execution, analysis, and interpretation. This course introduces the selection of research questions, measurement of physiological, behavioral, and psychological constructs, development of research procedures, and experimental and non-experimental designs as well as the basic statistical methods and concepts needed in psychological science.

### **PSYC 30513 - Fundamentals of Learning (3)**

Prerequisite: PSYC 30503. This course is concerned with the discipline of learning psychology and its application to the study of behavior in human and non-human animals. We will not, however, be directly concerned with methods and issues in Educational or Applied branches of Psychology. IN this course, learning is the informal process by which we learn to adapt our behaviour through experience. Students will become familiar with concepts and theory related to how this type of learning is achieved. This course will include empirical research on topics such as reflexes, orienting mechanisms, associative conditioning (Pavlovian and instrumental), memory processes, stimulus control, and choice behavior.

### **PSYC 30523 - Experimental Psychology: Cognition (3)**

Prerequisites: PSYC 30503. This class will meet for two hours of lecture and two hours of laboratory per week. Topics for this course include gaining an appreciation for experimental cognitive psychology - the study of how knowledge is acquired, represented, and maintained. Major findings and current thinking about a broad range of topics in experimental cognitive psychology will be discussed in the areas of attention, memory, language, decision-making, and reasoning among others. Credit cannot be given for both PSYC 30523 and PSYC 30453.

### **PSYC 30533 - Animal Cognition (3)**

Prerequisites: PSYC 30414 or 30433 or 30453 or 30473 or 30513. This course will evaluate current issues of animal cognition, including memory, tool use, numerical sense, theory of mind, navigation, and language. This course aims to provide an appreciation of the interplay between theory and empirical research. This course will begin with a discussion of empirical research on reflexes, orienting mechanisms, and associative conditioning (Pavlovian and instrumental) to provide a framework for applying knowledge of basic learning processes to claims of higher-order cognition.

### **PSYC 30553 - Statistical Methods in Psychology (3)**

Prerequisites: MATH 10043. Introduction to the process of evaluating data from psychological research using descriptive and inferential statistics as tools. The primary focus is on connecting psychological theory, research design, and basic statistical techniques. An emphasis will be placed on practical data skills, data visualization, use of statistical software, and the interpretation and communication of findings.

### **PSYC 30563 - Positive Psychology (3)**

Prerequisites: Junior standing or instructor approval. The course is an introduction to research findings, theory, and application of Positive Psychology in a cross-cultural environment. From a positive psychology perspective, students will identify and employ individual character strengths, analyze decision-making processes that allow individuals and communities from different cultures to thrive, and evaluate the impact of service learning.

### **PSYC 30603 - Historical Foundations of Modern Psychology (3)**

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 30633 - Social and Emotional Development (3)**

Prerequisite: PSYC 30503 and junior standing. This course provides an in-depth analysis of the development of social relationships, behaviors, and emotions. Students will be introduced to topics such as temperament, attachment, emotion regulation, peer relationships, morality, aggression, and parenting.

### **PSYC 30643 - Creativity (3)**

Prerequisites: PSYC 30503. This course will examine the nature of creativity through scientific study. Topics include major domains of creativity, the cognitive processes and neural structures involved in being creative, and how to improve creative thinking in everyday life.

### **PSYC 30990 - International Residential Study (1.00-20.00)**

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 33990 - International Residential Study (1.00-20.00)**

### **PSYC 40003 - Senior Honors Research Paper (3)**

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 40260 - Basic Internship (1.00-3.00)**

Prerequisite: Fifteen semester hours in Psychology. This applied course extends learning beyond the classroom and provides development opportunities in leadership, diversity, counseling, etc. Students must obtain a volunteer or internship position (assistance is available through the instructor). Earned credit hours are based on the number of hours worked (up to 3 credit hours for 120 clock hours of work), attending class 1 hour per week, and completion of all assignments such as weekly journals and presentation handouts.

### **PSYC 40290 - Advanced Internship in Psychology (1.00-20.00)**

Prerequisite: PSYC 40260. This experiential course provides advanced opportunities through volunteer or internship positions that may be paid or unpaid positions. Service environments provide experiential learning opportunities related to leadership, counseling, human resources or other arenas. Students obtain their own positions (assistance is provided by the instructor) and earned credit hours are based on the actual number of clock hours worked (e.g., 3 credit hours requires 150 clock hours of work), attending class 1 hour per week, and completion of all assignments.

### **PSYC 40313 - Research in Neuroscience (3)**

Prerequisites: 15 semester hours in Psychology, plus written permission of the professor and the psychology department. Projects in neuroscience research carried out under the direction of a faculty member. Because ongoing research projects differ from one semester to the next, students gain additional research skills each time they take the course. The course may be repeated twice (taken a maximum of three semesters in all.)

### **PSYC 40323 - Research in Psychology of Learning (3)**

Prerequisites: 15 semester hours in Psychology, plus written permission of the professor and the psychology department. Projects in psychology of learning research carried out under the direction of a faculty member. Because ongoing research projects differ from one semester to the next, students gain additional research skills each time they take the course. The course may be repeated twice (taken a maximum of three semesters in all.)

### **PSYC 40333 - Research in Social Psychology (3)**

Prerequisites: 15 semester hours in Psychology, plus written permission of the professor and the psychology department. Projects in psychology of learning research carried out under the direction of a faculty member. Because ongoing research projects differ from one semester to the next, students gain additional research skills each time they take the course. The course may be repeated twice (taken a maximum of three semesters in all.)

**PSYC 40343 - Development/Cognitive Research (3)**

Prerequisites: 15 semester hours in Psychology, plus written permission of the professor and the psychology department. Projects in psychology of development/cognitive research carried out under the direction of a faculty member. Because ongoing research projects differ from one semester to the next, students gain additional research skills each time they take the course. The course may be repeated twice (taken a maximum of three semesters in all.)

**PSYC 40403 - Psychology of Counseling (3)**

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 (3)**

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 40433 - Advanced Developmental Psychology (3)**

Prerequisite: PSYC 30503. Data and research methods related to the development of the human organism from its prenatal origins through old age.

**PSYC 40443 - Child Development in a Cultural Context (3)**

Prerequisite: PSYC 10213, or 10514 or 10524. This course will study child and adolescent development from a cross-cultural perspective. Topics include cross-cultural differences in historical conceptualizations of children, current government policies aimed at children and families, classroom learning, parenting (including the role of fathers) and differences in infants' temperaments.

**PSYC 40453 - Behavior Disorders of Childhood (3)**

Prerequisites: PSYC 30503. A survey of the manifestation, etiology, and treatment of children's developmental and behavioral disorders. Also includes an examination of historical trends and cultural differences in the conceptualization of abnormal child behavior, an overview of research methods in developmental psychopathology and clinical child psychology, and a review of issues in the classification of disordered behavior. An emphasis will be placed on critical thinking, interpretation of empirical findings, and the identification of empirically validated interventions.

**PSYC 40463 - Applied Behavior Analysis (3)**

Prerequisite: PSYC 30503. An introduction to the principles and practices of applied behavior analysis. Emphasis is on applications in work with children with and without developmental disorders in home, school, and clinical settings.

**PSYC 40473 - Psychology of Women and Men (3)**

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 (3)**

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 (3)**

Prerequisite: PSYC 30503. Characteristics of tests and measurement scales; survey of individual and group tests in psychology, education, and clinical settings.

**PSYC 40503 - Psychological Disorders and Creativity (3)**

Prerequisites: PSYC 10213 or 10514 or 10524. This course will examine mental illness from a cross-cultural and creative perspective. Topics include cross-cultural differences in historical conceptualizations of mental illness, current government policies aimed at mental illness, examination of treatment and use of art (e.g., painting: Vincent Van Gogh, writing: Virginia Woolf) as a means of creativity in mental illness.

**PSYC 40533 - Experimental Psychology: Social (3)**

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 40950 - Contemporary Topics in Psychology (1.00-20.00)**

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 40993 - Senior Seminar in Psychology (3)**

Prerequisites: PSYC 30503 and junior or senior standing in psychology. This course teaches students how to think critically about experimental psychology research topics, research methods and ethics, career pathways, and post-graduate opportunities in psychology. It is excellent preparation for graduate school in all areas of psychology and related disciplines.

**PSYC 50213 - Interactive Data Analysis (3)**

Prerequisite: PSYC 30503. Introduction to SPSS in application to research in the behavioral sciences, including use of SPSS functions for data analysis. Attention is also given to the use of univariate and multivariate methods of exploratory data analysis.

**PSYC 50401 - Neurobiology of Aging (1)**

Prerequisites: permission of instructor. The current literature associated with the neurobiology of aging, modern research techniques and recent developments in neuroscience and aging research are discussed. This is a participation course in which advanced undergraduate and graduate students will present manuscripts, explain research hypotheses and methodologies and explain results. Open discussion of these papers will include faculty from Biology and Psychology. Topics presented will differ by semester. The course may be repeated three times (taken a maximum of four semesters in all.) (Crosslisted as BIOL/PSYC 50401.)

**PSYC 50403 - Advanced Neuroscience (3)**

Prerequisite: Senior or Graduate standing and PSYC 30463 or permission 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 50433 - Trauma & Relationships (3)**

Prerequisite: Junior standing. This course is the first of a two-part series of multidisciplinary courses which examine children who have experienced complex developmental trauma, including outcomes, assessments, and interventions through a study of peer-reviewed articles and evidence-based interventions, including Trust-Based Relational Intervention (TBRI). TBRI is an attachment based, trauma-informed intervention designed to meet the complex needs of children through connecting, empowering, and correcting. Emphasis in this course will be attachment theory and the development of healthy relationships. Completing this course is recommended to work at The Hope Connection 2.0 therapeutic camp. (Crosslisted as CHDV/PSYC 50433.)

**PSYC 50443 - Trauma & Behavior (3)**

Prerequisites: CHDV/PSYC 50433 and junior standing. This course is the second of a two-part series of multidisciplinary courses which examine children who have experienced complex developmental trauma. Emphasis in Trauma and Behavior is on understanding the effects of trauma on the body, brain, and behavior, as well as demonstrating trauma-informed intervention strategies and skills. Completing this course is recommended to work at The Hope Connection 2.0 therapeutic camp. (Crosslisted as CHDV/PSYC 50443.)

**PSYC 50463 - Functional Neuroanatomy (3)**

Prerequisite: Graduate or senior standing or permission of instructor. The fundamentals of functional neuroanatomy and neurophysiology with an emphasis on experimental and theoretical analysis of the basic brain behavior relationships. (Crosslisted as BIOL/PSYC 50463.)

**PSYC 50493 - Advanced Personality (3)**

Prerequisite: Senior or graduate standing in psychology and PSYC 40443, or permission of instructor. Current topics from the empirical and theoretical literature on personality.

**PSYC 50503 - Curricular Practical Training Internship (3)**

Prerequisites: 2.75 GPA in major, completion of either at least 20 credit hours in the department OR graduate status, and approval of department chair. Practical experience in the field of Psychology-related research that may involve work both at TCU and/or outside of TCU (but

inside the state of Texas), including field work, internships, part-time jobs, and unpaid volunteer positions, all of which are to be centered around providing real-world training that would enhance the possibility of obtaining a career in a psychology-related research area. Must include a minimum of 260 work hours. This course may only be taken pass/no credit.

### **PSYC 50513 - Psychopharmacology (3)**

Prerequisite: PSYC 10213 or 10514 or 10524, and junior standing. 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 - Analysis of Variance (3)**

Prerequisite: Permission 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 (3)**

Prerequisite: Junior standing. 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. (Crosslisted as CHDV/PSYC 50533.)

### **PSYC 50563 - Theories of Development (3)**

Prerequisite: Senior or graduate standing in psychology, or permission 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 permission of instructor. Current topics in the area of cognition including thinking, language, memory, decision making, and problem solving.

### **PSYC 50603 - Contemporary Learning Theory (3)**

Prerequisite: Senior or graduate standing in psychology, or permission 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 (1.00-3.00)**

Prerequisite: Senior or graduate standing in psychology or permission of 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.

## **RAMA - Ranch Management**

### **RAMA 20103 - Challenges of Global Food Production (3)**

This course will explore the Triple Bottom Line of food production and distribution in an effort to measure organizational and societal successes based upon the economic, ecological, and social/cultural equation. The course will examine global food production, including the history of, the populations affected, as well as methodologies employed. The course will give overview of the current situation in global food production, distribution, and related challenges.

### **RAMA 30102 - Ranch Operations and Development (2)**

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 30403 - Soil and Water Conservation (3)**

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 30703 - Animal Nutrition and Feeding (3)**

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 40101 - Management Plan Capstone Course (1)**

Prerequisites: Must successfully complete the entire fall semester of Ranch Management coursework with a semester GPA or 2.0 or greater, which includes RAMA 30102, 30403, 40103, 40303, 50503 and 50603. co-requisite courses - must remain in good standing with the Ranch Management program and be enrolled in the complete spring semester of Ranch Management coursework. These courses include RAMA 30703, 40112, 40313, 40903, 50213, and 50803. The capstone for the TCU Ranch Management Program requires students to apply knowledge and principles explored through all of their other coursework and learning activities. Students will design a complete ranch business management plan on an existing ranch land resource and inventory will be used to design and develop a business management plan for two separate enterprises: (1) cow/calf operation, and (2) a stock operation. The plan should incorporate principles that are sound on both an ecological basis and economical basis, while conserving and improving the ranch land resource.

### **RAMA 40103 - Beef Cattle Production (3)**

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 (2)**

Sheep breeds and crosses; selection for mutton and wool production; Angora goat selection; breeding; supplemental feeding; marketing of wool and mohair.

### **RAMA 40303 - Animal Health Management (3)**

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 (3)**

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 (3)**

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 40903 - Forage Production and Use (3)**

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 (1.00-6.00)**

### **RAMA 50213 - Ranch Business Management (3)**

Business law as applied to the livestock producer, business organization, estate planning, labor relations, application of management principles to ranching.

### **RAMA 50503 - Range Management (3)**

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 50603 - Ranch Records and Finance (3)**

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 50803 - Marketing of Livestock and Meats (3)**

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.

## **RELI - Religion**

### **RELI 10023 - Understanding Religion: Communities (3)**

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.

### **RELI 10033 - Understanding Religion: Texts and Ideas (3)**

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.

### **RELI 10043 - Understanding Religion: Society and Culture (3)**

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.

### **RELI 10433 - Freshman Seminar in Religion (3)**

Topics may vary each time it is offered.

### **RELI 20003 - New Testament Greek (3)**

An introduction to the grammar and vocabulary of the New Testament in the original Greek.

### **RELI 20123 - New Testament Literature and Life (3)**

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 20203 - The Art and Science of Human Flourishing (3)**

What is the purpose of your education? How does it relate to creating a flourishing life, one filled with deep satisfaction, well-being, resilience, and accomplishment? What can we learn from the humanities and sciences about the varieties of human flourishing and its key ingredients, and how can you develop your own personal vision of that life? What skills and knowledge would you need to realize that vision? This course aims to assist you in finding your own answers to these questions so as to lay the foundation for flourishing during your undergraduate years, while also preparing you for a life of flourishing in personal, civic, and professional contexts. We will explore perspectives from both the humanities and sciences in ways that are directly relevant to university life, and we will engage in practices, such as mindfulness and meditation, which will help you develop the intellectual and emotional dispositions; resilience, compassion, gratitude, and others; that research shows are central to human flourishing.

### **RELI 20443 - Faith and Ethical Leadership (3)**

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 (3)**

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 (3)**

Building on RELI 20503, this class examines West African religious traditions, the 'involuntary diaspora' to the New World, as well as 'creole' religions and culture within the Caribbean. It concludes with an account of the rise of the African Independent Churches; the place of women in North African Islam; the presence of Rastafari in Ghana, and the continuing clash of traditional African and Western cultures.

### **RELI 20523 - Sophomore Seminar: Finding the Founders: Lives of Confucius, the Buddha, and Jesus (3)**

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 (3)**

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 20543 - Sophomore Seminar: Exploring Interreligious Studies (3)**

Prerequisites: RELI 10023 or 10033 or 10043. Through historical exploration, contemporary case studies, curated encounters, critical reflection, creative projects and individual research, students in this Sophomore Seminar will explore a variety of religions in contexts of conflict and cooperation in order to become informed students of religions and effective leaders in a religiously diverse world.

### **RELI 20573 - Defining the Nation: China and India in Crisis (3)**

This course examines two key events from the religious and cultural histories of China and India: the sixteenth-century Confucian debate over the legitimate successor to the Ming Dynasty's Wanli Emperor, and the division, or Partition, of the Indian subcontinent in 1947 into India and Pakistan. Both events represented a crisis in governance in which debate of the nation's future was informed by religious teachings. To investigate these two events, the course will use games from *Reacting to the Past* (RTTP), an interdisciplinary and highly engaging method of inquiry that requires students to study a variety of sources, debate, write, and work as a part of a group pursuing a set of shared goals.

### **RELI 20643 - Sophomore Seminar: Thinking About Christian Faith (3)**

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 (3)**

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 20903 - Sophomore Seminar: Religion and Literature (3)**

Prerequisite: Religion major or permission of instructor. Must have completed introductory Religion course. 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 (1.00-20.00)**

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 (3)**

Creative dialogue between religion and other disciplines of learning, or aspects of culture.

### **RELI 30203 - The Holocaust: Theological Reflections (3)**

This course introduces students to the genocide of the Jewish people during World War II known as the Holocaust or Shoah. It focuses primarily on three aspects of the Holocaust. First, it explores the history of what has been called "the oldest hatred," antisemitism, that made the Holocaust possible. Second, it introduces students to the stories of the victims, perpetrators, collaborators, bystanders, and the precious few rescuers. Third, it invites students to consider a variety of theological responses to the Holocaust, by Jews and Christians.

### **RELI 30213 - Finding God: A Christian Mystical Journey (3)**

This course considers the historical mystical tradition within Christianity. Throughout the history of Christian thought individuals have appealed to mysticism to find God. Some have used mysticism for finding God even in the midst of distress and suffering. We will consider topics such as Reading Scripture, Contemplation, the Spiritual Practices including prayer and fasting.

### **RELI 30983 - Salvation in World Christianity (3)**

This course treats the major figures, controversies and theological developments on the Christian idea of salvation as it is understood across the globe. The course will guide students chronologically from the earliest days of the religion to the present-day ecumenical movement. The course focuses on pivotal moments and figures in the Christian tradition and their contributions to the larger question: What must humans do to attain salvation?

### **RELI 30113 - Jesus and the Gospels (3)**

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 (3)**

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 (3)**

Study of the biblical books of Psalms, Proverbs, Ecclesiastes and Job within their own socio-historic contexts as a basis for investigating some of the fundamental questions of human religious experience, including the function of worship, the relationship of reason and faith, the problem of evil, and the bases of ethical behavior.

### **RELI 30143 - Unlocking the Mysteries of the Dead Sea Scrolls (3)**

Prerequisites: RELI 10033, or permission of the instructor. The course explores the rich and diverse world of the ancient Jewish texts discovered in the caves near Khirbet Qumran. Known also as the Dead Sea scrolls, these texts shed light on almost every aspect of what came to be known as the Second Temple period. Yet, they proved to be particularly important for understanding the complex religious and social matrix out of which emerged nascent Christianity and Rabbinic Judaism. The course takes a closer look at this matrix by means of reading a variety of texts from Qumran.

### **RELI 30153 - How to Read the Bible: Story and Politics (3)**

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 30183 - Revelation and Rhetoric: Biblical Prophets and Prophecy (3)**

Prerequisites: RELI 10023 or 10033 or 10043, or permission of instructor. In this course, we will study Biblical prophets and prophetic texts, with attention to their historical and literary contexts, as well as their religious and social functions. We will also consider the rhetorical and poetic dimensions of biblical prophecy, in order to reflect on both the positive and negative impact of religiously charged communication.

### **RELI 30303 - Christian Ethics (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 - Women Influencers Asian Religions (3)**

Prerequisites: RELI 10023, 10033, 10043 or permission of instructor. Applying the 'influencer' concept to the study of Asian religions, this course explores how religion, like social media, provides a potent platform for religious women to influence how cultures think about gender norms and opportunities for women's greater freedom. It examines women's authority in Asian religions through multiple perspectives with a focus on 'charisma' and 'spiritual genius.' Furthermore, it stresses ethnographic approaches that elevate women's roles and other cultural variables to understand how charisma motivates women's experiences of spiritual genius, and orients their relationship to power and leadership, tradition and innovation, religion and modernity in Asian cultures.

### **RELI 30453 - Sects and Cults in American Religion (3)**

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. (3)**

This course will investigate the variety of religious life found among U.S. Latina/os, looking beyond misconceptions, generalizations and stereotypes.

### **RELI 30473 - Womanist Religious Thought (3)**

This course helps students think about religion by centering women's experiences and critical ideas about theology and ethics. Students will be introduced to Womanist religious thought and race-class-gender analytical approaches to examining religious life and society.

### **RELI 30483 - Digital Religion: God, the Soul and Morality after the Digital Revolution (3)**

This course is an advanced exploration of how digital technology is affecting the moral and religious sensibilities of contemporary culture, with a particular focus on how this technology is changing assumptions about God, the soul and morality.

### **RELI 30493 - Latina/o Religion, Law and Identity (3)**

This course examines the role of religion and law in the formation of identity by exploring the notion that identity, including race, is a social construct by examining how various immigrant groups from around the world were and are shaped by religion and the American legal process. In particular, we will consider Latinos/as in the U.S. as an example of how law and religion shape a cultural group's identity as well as how law and religion impact cultural and global self-understanding.

**RELI 30513 - Hindu Religious Perspectives (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 30583 - Religion, Money, and Value(s) (3)**

The world's religions espouse ethical values that inform their understanding of issues such as the value of human life, labor, and products. These religions have also had complicated and uneasy relationships with money and commerce, especially the ethics of trading and the accumulation of wealth. This course will explore the issues of money, wealth, and value through the lens of five religious traditions: Christianity, Hinduism, Buddhism, Islam, and Jainism.

**RELI 30593 - Catholicism Across The Globe (3)**

This survey course will introduce students to historical developments, key figures and institutions within the history of Catholic Christianity from the High Middle Ages (ca. 1250) to the present. The course will begin by examining the roots of high medieval Catholic expansion into East Asia and its subsequent expansion into other continents during the Late Middle Ages. It will then examine the development of Catholicism in those geographic areas outside the USA, Western Europe, Australia and Russia. This course is an opportunity for students to take a pilgrimage into Catholic Christian identity across time and across the globe, primarily in those areas colonized by European kingdoms and nations. Topics such as colonialism, missions, enslavement, religious movements, enculturation, spiritual practices, indigenous clergy and local religious life will be examined in their historical context. The overall aim of the course is to deepen students' capacities for historical reflection on Catholic culture, beliefs, practices and institutions across the globe. Participants, whatever their religious identity (or lack thereof), will learn more of what it has meant historically to think, pray and live as Catholic Christians in the Majority World so that they can apply these insights to their own work in today's pluralistic context.

**RELI 30633 - Philosophy of Religion (3)**

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 (3)**

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 30663 - Modern Islam (3)**

Prerequisites: RELI 10023, or RELI 10033, or RELI 30543, or permission of the Instructor. This course provides an overview of the major trends,

developments, and issues in modern Islamic thought and the global Muslim world. This course begins in the nineteenth century with the transformations caused by the rise of European power, European colonialism, modern science and technology, the printing press, mass education, and the nation state. Muslims around the world responded to these transformations through several strategies including modernism, fundamentalism, secularism, and neo-traditionalism. We will examine these and other trends, as well as Muslim perspectives on a range of pressing contemporary global issues such as politics, violence, gender, economics, the environment, and interfaith dialog. The course concludes with a look at possible futures of the global Muslim world.

**RELI 30673 - Anthropology and Religion (3)**

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 (3)**

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 30693 - Native Americans, Religion, and Contemporary Issues (3)**

Prerequisites: Successful completion of either RELI 10023, 10033, or 10043, or consent of instructor. This course explores Native American perspectives on religion (spirituality) and contemporary issues, and compares them with Western-Christian perspectives. Students will read, discuss, and evaluate ideas put forth by important Native American authors, compare traditional Native American ways of knowing (epistemology) with Western-Christian ways, identify and critique stereotypes related to Native American perspectives, and apply these ideas to contemporary issues. Topics will vary by semester. Additionally, students will be in dialog with Native American community leaders on these topics.

**RELI 30723 - Religion and Science (3)**

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 (3)**

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 and Art: Making Meaning (3)**

This course explores religion and art as sources of existential meaning. Looking at the convergence of spirituality and creativity in works from Kandinsky to Basquiat and in writings from Kierkegaard to W.E.B. Du Bois, this class examines how art and religion hold out the promise of authenticity, meaning, and purpose.

**RELI 30753 - The Many Faces of Krishna (3)**

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 call 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 30763 - Archaeology of the Biblical World: Syria-Palestine and TransJordan, 1550-332 BCE (3)**

Prerequisites: Either one RELI or one ANTH course, or permission of instructor. This course studies the cultures of Syria-Palestine and TransJordan from approximately 1550-332 BCE by identifying and interpreting the relevant archaeological data and anthropological findings. It will explore various aspects of these ancient cultures,



including the region's economic, political, environmental, and social relations, as well as its religious expressions and ethnic identities. Additionally, students will consider the significance of archaeological material and anthropological models for reconstructing and interpreting these cultures and for understanding the Hebrew Bible as a cultural and historical document.

### **RELI 30163 - Women and Early Christianity (3)**

Prerequisites: RELI 10023, 10033, 10043 or permission of the instructor. Women were clearly active and important participants in early Christianity, and yet we know relatively little about the female disciples, prophets, apostles, and deacons. This course will ask what information the historical record holds and how it can be mined to reconstruct who the women of early Christianity were, what was important to them, what they did, and the differences they made.

### **RELI 30783 - Religion and Environmental Ethics (3)**

Explores the ethical challenge of increased competition for world resources. Examines how changing religious understandings of stewardship, fairness and rights shape moral choice in issues like distribution of goods, care of nature and population shifts.

### **RELI 30793 - Indian Mystical Traditions (3)**

Prerequisites: RELI 10023, or permission of the instructor. This course examines the history, sacred texts, personalities, and practices of Hindu and Buddhist mysticisms in South Asia. It also investigates the lives of Buddhist and Hindu women mystical practitioners in text and practice and explores the extents to which Indian mystical systems enable women to empower themselves in Indic society.

### **RELI 30803 - Religion and News Media (3)**

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 (3)**

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 (3)**

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 (3)**

This course investigates selected Christian thinkers and doctrinal themes as revealed in various classic and contemporary novels.

### **RELI 30843 - Latina Feminist Religious Thought (3)**

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 (3)**

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 (3)**

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 (3)**

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 - Rastafari and Reggae in Global Contexts (3)**

Prerequisite: RELI 10023, 10033, 10043, or permission of instructor. This interdisciplinary course investigates the spread as well as emergence of Rastafari religion, culture, and politics in Jamaica and other parts of the African diaspora.

### **RELI 30970 - Directed Study: Religion (1.00-6.00)**

Directed Study in Religion.

### **RELI 30990 - International Residential Study (1.00-20.00)**

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 30993 - Experimental Course in Religion (3)**

This course constitutes a teaching and learning module for use when an instructor in the Religion Department (or in association with the Department) has new material or new teaching strategies which are not appropriate to existing courses.

### **RELI 35990 - International Residential Study (1.00-20.00)**

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 38990 - International Residential Study (1.00-20.00)**

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 (3)**

To be written under the tutorial leadership of members of the faculty.

### **RELI 40130 - Issues in Biblical Interpretation (3)**

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 (3)**

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 40213 - Religion, Art and Postmodernism: The Death of God and the End of Art (3)**

Prerequisites: RELI 10023, or 10033 or 10043. This course looks at religion and art as two significant modes of meaning making within the context of the postmodern challenge to systems of ultimate value.

### **RELI 40313 - The History of Religion in America (3)**

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 (3)**

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 (3)**

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 (1.00-6.00)**

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 (3)**

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 (3)**

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 (1.00-20.00)**

Assigned special problems in religion. (1-3 semester hours)

### **RELI 50130 - Seminar in Biblical Studies (1.00-6.00)**

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 (1.00-20.00)**

1 - 6 semester hours

## **SABD - Study Abroad**

### **SABD 30120 - Study Abroad-TCU in programs (12)**

Student is studying abroad this semester with a TCU In ?? program."

### **SABD 32120 - Study Abroad-Partner Program (12)**

Student is studying abroad this semester with a Partner Program.

## **SCIE - Science**

### **SCIE 10303 - Life, Death and Sustainability (3)**

This course explores the interplay between science, engineering, technology and health care. Students will leave the course with a better understanding of the diseases that plague the American population, the treatment/intervention strategies, and some of the economic and ethic issues associated with the choice. This working knowledge offered is intended to make students better health consumers and self-advocates.

### **SCIE 10503 - Introduction to Scientific Thinking (3)**

Prerequisite: A senior high school course in STEM field and Recipient of STEM Scholarship. This course will serve as the first introduction to a college course. In this course, we will critically examine the chemical and physical properties of water, the role water plays in shaping the world, and how water is essential for life. As a class, we will analyze various ways to think about water, including as drinking water, a sanitation mechanism, and an economic resource. The ultimate goal of this class is to help you develop a deeper understanding of water while developing your critical thinking, presentation skills and writing skills.

### **SCIE 20103 - Technology Entrepreneurship (3)**

Prerequisite: Sophomore standing. This study abroad course is for students who are driven with an entrepreneurial spirit and have a passion for technological innovation. This course consists of lecture, invited speakers, case studies, and field trips.

### **SCIE 20241 - Career Planning: STEM Major & Career Exploration (1)**

This is a one-hour exploratory course for students in the College of Science & Engineering, particularly those on the pre health track, who are seeking career information related to academic and occupational interest patterns outside of the pre health track with STEM degrees. Students will be provided career development tools and resources such as career assessments, information on career options for their degree both traditional and non-traditional. Students will also have the opportunity to participate in career planning as it pertains to their strengths, skills, and interests.

### **SCIE 20303 - Whiskey: Science and History (3)**

Two hours of lecture and two hours of laboratory. Whiskey embodies multiple sciences and engineering. Whiskey has played a significant role

in history including that of the United States. The course conveys elementary science concepts from the disciplines of chemistry, plant biology, genetics, neuroscience and engineering along with the historical underpinnings of these concepts as well as the impact that whiskey has had on US history since the colonial era up to and including multinational corporations. Laboratory experiments are linked intimately to lecture content.

### **SCIE 20313 - Whisky Abroad: Science, History & Culture (3)**

Whisky serves as a useful lens for looking at science, history, culture and their interdependence. The course meets weekly for 2.5h in the spring semester to perform labs, discuss historical and cultural readings, and practice cultural activities. During the term, the group travels to an environment (ie Scotland, Ireland, Japan) for approximately two weeks for immersion in the course material to allow synthesis.

### **SCIE 20403 - Science Policy: Impacts & Opportunities (3)**

The advancements of science and technology have accelerated over the past century, leading to corresponding societal advances and impacts on different communities. While much of the public thinks these advances are natural, many are, in fact, the result of sustained commitment by the nation to support science and technology through a deliberate set of policies. Federal policies affect science and technology on small and large scales, from undergraduate training grants to National Laboratories to State Department. Issues such as global climate change, energy sustainability, terrorism, nuclear proliferation, human genomics, and exponentially evolving technologies are among the most challenging and complex facing contemporary society and their impacts on local and native communities. This course will highlight the important role of national science policy in how science is used to affect large scale national and international policy decisions and how these decisions have or may impact minority and disadvantaged communities.

### **SCIE 20602 - Pre-Health Prof Development (2)**

Prerequisites: BIOL 30603 and CHEM 30123. This course will introduce students to the concept of professionalism within a healthcare context and the core competencies that future healthcare providers should possess. Students will reflect on how their work, activities and life experiences have prepared them for a career in healthcare and how best to communicate about their experiences with admission committees.

### **SCIE 20603 - Introduction to Global Health (3)**

This course will introduce students to critical global health concepts including the determinants of health, the measurements of health status, the importance of culture to health, the global burden of disease, key risk factors for different health conditions, demographic and epidemiological transitions, and the organization and functions of health systems.

### **SCIE 20613 - Visual Culture and Medicine (3)**

This course explores the relation between healthcare and visual culture of the human body. Drawing on a variety of academic disciplines and social productions, students will reflect on perceptions of the body and health in the historical and contemporary western, American medical context. Students will engage and to a limited extent create visual media in conjunction with their course readings. This course is suited for those preparing for roles as healthcare professionals with the goal of developing empathetic ways of relating to others, namely patients suffering illness and in pain.

### **SCIE 20970 - Topics in Science (1.00-3.00)**

Topics of current interest. May be repeated for credit when the topic changes. (1-3 credit hours.)

### **SCIE 20501 - STEM Scholar Research Seminar (1)**

Prerequisites: SCIE 10503 and Recipient of STEM Scholarship from TCU. The course aims to introduce students to the different research opportunities, institutes, and initiatives in the College of Science and Engineering at TCU and beyond. Research in the areas of Biology, Chemistry, Physics, Computer Sciences, Psychology and Engineering will be highlighted. Students attend weekly meeting to discuss research opportunities in the College of Science and Engineering. Students will also learn about summer research opportunities outside of TCU.

### **SCIE 20601 - Introduction to Pre-Health (1)**

This course introduces new pre-health students to the concepts of readiness and expectations as a TCU pre-health student. Students will learn about resources available from the Pre-health Professions Institute, activities and life experiences that will best prepare them for their undergraduate pre-health career, and how to foster a community of support with their peers. Pass/No Credit grade basis only.

**SCIE 30103 - History of Science and Technology in Western Civilization (3)**

Prerequisites: ENGL 20803 or 20833. This study abroad course examines the rise of both science and technology in western civilization and how they have shaped history, with particular focus on developments in England. Includes visits to sites in London, Greenwich, Cambridge, and Oxford.

**SCIE 30303 - Whiskey: Writing about Science and History (3)**

Prerequisite: 54 or more cumulative hours. Two hours of lecture and two hours laboratory. Whiskey embodies multiple sciences and engineering. Whiskey has played a significant role in history including that of the United States. The course conveys elementary science concepts from the disciplines of chemistry, plant biology, genetics, neuroscience and engineering along with the historical underpinnings of these concepts as well as the impact that whiskey has had on US history since the colonial era up to and including multinational corporations. Laboratory experiments are linked intimately to lecture content. Credit will not be granted for both SCIE 20303 and SCIE 30303.

**SCIE 30601 - Cultural Awareness in Healthcare Capstone (1)**

Prerequisites: Senior Standing. This capstone seminar course for the Cultural Awareness in Healthcare (CAH) minor will guide students through a process of synthesis and reflection based on each student's unique selection of coursework for the minor. Students will apply their knowledge and skills to the problem of healthcare disparities (locally, regionally, and globally), demonstrate their ability to engage in collective dialogue, and learn to articulate their cultural competence for their future career in healthcare or related field. This course is intended for all students who have completed a minimum of 15 hours of the CAH minor coursework and are in the final semester(s) of their undergraduate degree plan.

**SCIE 30603 - Religion and Healthcare (3)**

Prerequisite: Sophomore standing. This course explores the relation between religion and healthcare in the American medical context. We will trace the historic interplay between religious practice and fostering human health in the West, with emphasis on the prominence of Christianity, the development of secularism, and religious plurality that marks contemporary healthcare. This course is suited for those preparing for roles as healthcare professionals, with the goal of fostering cultural competence.

**SCIE 30613 - Pre-Health Professional Development (3)**

Prerequisites: BIOL 30603 and CHEM 30123. This course will introduce students to the concept of professionalism within a healthcare context and the core competencies that future healthcare providers should possess. Students will reflect on how their work, activities and life experiences have prepared them for a career in healthcare. Additionally, students will develop written and verbal communication skills applicable to health professions and the professional school application process.

**SCIE 30990 - International Residential Study (1.00-20.00)**

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.

**SCIE 40620 - Independent Scholarly Activity in Cultural Awareness in Healthcare (1.00-3.00)**

Prerequisites: Students must be pursuing the cultural awareness and healthcare minor and have completed 60 hours of coursework. This course is available to students pursuing the Cultural Awareness in Healthcare minor. Research and other scholarly experiences for advanced students. Three clock hours per week of research are required for each semester hour of credit, for up to three semester hours credit in any given semester. This course can be repeated or taken in combination with SCIE 40633 for maximum of six hours of credit between the two courses.

**SCIE 40633 - Honors Scholarly Activity in Cultural Awareness in Healthcare (3)**

Prerequisites: Students must be in the honors college, be pursuing the cultural awareness and healthcare minor and have completed 60 hours of coursework. This course is available to students in the Honors College pursuing departmental honors in Cultural Awareness in Healthcare. Research and other scholarly experiences for advanced students. Nine clock hours per week are required for a total of 135

hours. The results will be written in the form of a senior honors research thesis to be presented to the Honors College. A student may receive credit for this course only one time.

## SOCI - Sociology

**SOCI 20213 - Introductory Sociology (3)**

This course explores differing patterns of human relationships; the course further applies sociological concepts so as to enrich the understanding of human behavior.

**SOCI 20223 - Social Problems (3)**

This course presents information about a range of social problems (poverty, racism, sexual discrimination, crime, etc.) with emphasis on the relationship between the individual and the larger context within which the problems exist. Additionally, fundamental societal institutions and theoretical issues will be explored.

**SOCI 20990 - International Residential Study (1.00-20.00)**

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 (3)**

A directed study course 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 is emphasized, with some possible implications for the future.

**SOCI 30213 - Applied Sociology (3)**

Prerequisite: SOCI 20213. 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 findings are used in practice, especially in settings related to one's own career interest.

**SOCI 30223 - Contemporary Topics in Sociology (3)**

The study of selected topics of current interest and importance in sociology. These topics will vary in accordance with the interests of student and faculty. May be repeated for credit with different course content.

**SOCI 30233 - Sustainability: Environmental, Social & Economic Issues (3)**

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 (3)**

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 30253 - Environmental Sociology (3)**

This course examines the connection between the environment and society, from the local to the global level. Environmental problems, and their potential solutions, can be extremely controversial points of discussion: are humans doomed or will we overcome these problems? In the course, we will look at debates related to energy resources, population growth, green consumerism, climate change, environmental justice, and other issues. Students will engage in an experiential learning project where they attempt a personal change in their behavior in an effort to improve the environment.

**SOCI 30263 - Environmental Justice (3)**

Prerequisites: SOCI 20213 or 20223 or ANTH 20623 or CRES 10103 or 20003. Black, Indigenous, other people of color, working class, immigrant, women, and other marginalized groups bear the brunt of environmental problems in the United States and across the world,

facing disproportionate impacts from things like air and water pollution, toxic chemicals, climate change, industrialization, and biodiversity loss. Why are certain groups systematically exposed to greater environmental burdens and fewer environmental amenities while other groups have access to clean air and water? What effect does this have on people's health and well-being? Who benefits from these inequalities and who makes decisions about environmental policies? This course draws on the work of sociologists and interdisciplinary scholars to examine how social, political, and economic systems create environmental injustices and health disparities across intersections of race, ethnicity, class, and gender. In turn, we explore how people work to remedy environmental problems. These lessons are applied to understanding, researching, and addressing contemporary environmental justice issues.

### **SOCI 30303 - Marriage and the Family (3)**

The course keys on macro and micro social factors that shape American families. It explores the theoretical and empirical analyses of family dynamics and family policy.

### **SOCI 30313 - Criminology (3)**

An examination of sociological and criminological theories of crime, criminality, and crime control.

### **SOCI 30323 - Cultural Criminology (3)**

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.

### **SOCI 30343 - Sociology of Race and Racism (3)**

Prerequisite: SOCI 20213 or 20223, or permission of instructor. This course explores race as a socially constructed category and examines theories of racism at individual and institutional levels. The course addresses contemporary inequalities across different racial and ethnic groups.

### **SOCI 30383 - Research Methods in Sociology (3)**

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 (3)**

An 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.

### **SOCI 30403 - Perspectives on Human-Animal Relationships (3)**

This course examines topics and perspectives on human-animal relationships (HARE) from multiple disciplines within the humanities, social sciences, and natural sciences. We will explore the complex relationships between humans and other animals, past and present, including the socially constructed meanings of animals that shape animal/human interactions and relations within institutions and social, cultural, geographic and interactional contexts. We will consider many types of relationships between human and nonhuman animals, both beneficial and detrimental, as well as the trends that are impacting the future of animal/human relations on the planet.

### **SOCI 30423 - Media, Self and Society (3)**

The course provides a critical examination of various media, especially film, video and television, from a sociological point of view. It serves as 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.

### **SOCI 30443 - Social Movements and Protest (3)**

This course explores various historical and contemporary social movements and protest movements. In each of these explorations key social and cultural dynamics are emphasized, including mass communication and persuasion, strategies and tactics for acquiring power, the emergence of collective goals, and the politics of social change.

### **SOCI 30453 - Political Sociology (3)**

This course explores the processes and patterns by which power is negotiated and contested by political authorities and social movements. The course emphasizes the roles that factors such as class, race, and

gender play in how politics unfold at the state level and how individuals organize collectively to influence politics.

### **SOCI 30463 - Popular Culture (3)**

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 (3)**

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 (3)**

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 (3)**

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 (3)**

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 30573 - Corporate and Governmental Deviance (3)**

An examination of corporate and governmental deviance addressed from a sociological perspective. Emphasis is placed on the nature, extent, and costs of corporate and governmental deviance, with special attention on the social, structural, and organizational forces which give rise to such deviance. For example, we will examine the Ford Pinto case, Cold War Human Radiation Experiments, political corruption, Enron, and many other recent and historical cases.

### **SOCI 30583 - Technology, Social Media and Society (3)**

This course introduces students to the impact of technology and social media in everyday life on dimensions of society such as the individual, groups, social processes, social institutions, and social structures. Particular emphasis is on understanding the impact of social media in areas such as politics, economics, revolutions, work, family, and everyday social interactions.

### **SOCI 30643 - Sociology of Aging (3)**

The sociological and social psychological examination of the impact of aging on the individuals and on society. Focus is on defining demography of aging, the problems, public perceptions and stereotypes, concepts and theoretical perspectives on aging, age norms and constraints, adjustment patterns and changing lifestyles in old age, retirement, death and dying, exploitation, and politics of aging. Societal issues that confront older Americans are discussed. The course is primarily concerned with aging in the United States.

### **SOCI 30653 - Sociology of Food (3)**

Prerequisites: SOCI 20213. This course deals with the social context in which individuals experience food, with particular emphasis on how food influences, and is influenced by society. From the rituals of dinner and

Americans' obsession with diet food, to global food production regimes, the role of food in patterns of social life, social institutions, social inequality and social change will be explored.

### **SOCI 30663 - Food Justice (3)**

Discusses the intersection of food and justice. Investigates injustices generated by the current U.S. food system and by global agribusiness against farm workers 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. (offered as ANTH or SOCI credit)

### **SOCI 30673 - Beatniks, Hippies, and Punks: 1950-1977 (3)**

This class explores three iconic social types that emerged most visibly in the post WWII era-beatniks, hippies, and punks. Drawing upon classic sociological concepts and ideas - including the stranger in society, alienation, anomie, the small social group, rebellion, deviance, and social status - the course depicts the melodramatic changes in discourse, appearance, and emotional touch during the decades of the 1950's, 1960's, and 1970's.

### **SOCI 30683 - Sociology of Religion (3)**

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 30693 - Aging & the Life Course (3)**

This course introduces students to the sociology of aging and the life course. Topics such as age as a social construct, shifting definitions of life stages, the sociological study of biographies, population aging, social theories of aging, inequality during later life, and other issues pertinent to older adults are explored.

### **SOCI 30743 - Gender and Society (3)**

Prerequisites: SOCI 20213 or 20233 or any course approved for the minor/emphasis in Women's Studies. 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 30773 - Sex, Society, and Ethics (3)**

This course introduces students to the myriad ways in which sexual desire and sexual activity are structured by social relations and to the ways that sexuality, sexual practices, and sexual identities vary in time and space. We will also consider how those social relations and sexual identities influence ethical judgment regarding various sexual practices and attitudes. Social science and philosophical theories of sexuality will be considered and cross-cultural and historical accounts of sexual practices will be reviewed. (Offered as PHIL 30343 or SOCI 30773 credit)

### **SOCI 30783 - Sociology of the Body (3)**

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 (3)**

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.

### **SOCI 30833 - Sociological Theory (3)**

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 30863 - Gender Politics: International Perspectives (3)**

This course explores how politics is shaped by gender and, in turn, how gender shapes politics from an international and comparative

perspective. The course will address how states have institutionalized gendered rights and responsibilities, such as maternity and paternity leave, and how social movements have emerged to advocate for new policies related to gender and sexuality.

### **SOCI 30903 - Law and Society (3)**

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 limits of law as an instrument of social control.

### **SOCI 30913 - Social Psychology of Crime (3)**

Prerequisite: CRJU 20413, SOCI 20213 or PSYC 10213 or equivalent. An examination of the social psychological theories and research relevant for understanding criminal behavior. Topics include societal and victim responses to crime.

### **SOCI 30923 - Leadership London: Social and Cultural Contexts of Leadership (3)**

This is a seminar-style, site-based course taught in London as part of Leadership London, a TCU summer study abroad program. The city of London will provide the backdrop for studying social and cultural influences on leadership. Case studies are used to critically examine the nature and practice of leadership and explore the ways that social and cultural contexts shape leader-follower relationships. The course is designed to illuminate diverse perspectives on leadership and provide a knowledge base for evaluating and making informed judgments about leadership.

### **SOCI 30943 - Japan: Heritage, Culture, and Globalization (3)**

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 (3)**

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 (3)**

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 30973 - Scandinavia: Sociology and Sustainability (3)**

This study abroad course provides a sociological perspective of Sweden, Denmark, and Norway along with a specific emphasis on sustainable practices within the cities of Stockholm, Copenhagen, and Oslo. The course includes 4 days of online preparation, and 2 weeks of travel and lectures within Scandinavia.

### **SOCI 30990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

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 (1.00-20.00)**

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 36553 - Sociology of Mental Illness (3)**

The course keys on the consequences of being labeled mentally ill (or of being stigmatized), the societal response to mental illness, and the experience of managing particular conditions, especially depression, identity disorders, anxiety, and post-traumatic stress disorder (PTSD). The course also focuses on the sociohistorical and socially constructed concepts and contexts associated with defining mental illness and becoming mentally ill. The course relies on a lecture-discussion format, making use of several concepts that have become linked to mental illness in general and the specific aforementioned conditions.

### **SOCI 36743 - Conformity and Rebellion (3)**

This course examines, from a social psychological perspective, the complex and dialectical relationship between meeting expectations (conformity) and defying expectations (rebellion) in regard to decisive activity. A social psychological perspective emphasizes the decisions people make in provocative settings, or contexts that involve moments of truth. In this vein, conformity appears in opposition to rebellion. However, conformity can, and often does, imply some form of rebellion just as rebellion implies some form of conformity. Both conformity and rebellion can become problematic, or linked to existential decisions to either act against habit, judgement, and moral standpoints. Rebellion can be seen as an unwanted occurrence that threatens our preferred styles of life, requiring resolution through conformity; conformity can become seen as an impediment to a free society which, in order to salvage a sense of free choice, requires some form of rebellion. Examination of the complex relationship between conformity and rebellion can sharpen our focus when considering, specifically, in what kind of society we wish to live.

### **SOCI 39990 - International Residential Study (1.00-20.00)**

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 (3)**

Offered in the fall semester 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 40303 - Animals, Culture and Society (3)**

An exploration of the social and cultural aspects of the relationship between humans and other animal species, with particular focus on (1) examining the place, meaning and treatment of animals across historical periods, cultures, and social contexts, (2) understanding a range of debates and controversies regarding the ways animals are used by humans, and (3) exploring how humans construct social meanings and identities for themselves and others through animals.

### **SOCI 40373 - Social Psychology: Sociological Approaches (3)**

The course provides analysis of contributions of sociologists to theory and research in basic decision making, including examination of theories of conformity, social influence and symbolic interaction.

### **SOCI 40383 - Topics in Applied Social Research (3)**

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 (3)**

The course provides a critical examination of how the media responds to and helps create images of a particular social problem, drug abuse. It serves as an introduction to theories and research pertaining to drug abuse, alcoholism, and to distinctions between justifications for the legality of some drugs and the illegality of others.

### **SOCI 40463 - Juvenile Delinquency (3)**

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. NOTE: Credit not awarded for both CRJU/SOCI 40463 and CRJU 40473.

### **SOCI 40523 - Health, Illness and Medicine (3)**

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 (1.00-20.00)**

Prerequisite: Permission of instructor. (1-3 semester hours)

### **SOCI 40623 - Sociology Internship in Public and Non-Profit Agencies (3)**

Prerequisites: 2.75 GPA in the Sociology major, completion of 12 credit hours of SOCI courses and approval of instructor. Practical experience in the field of Sociology-related research that may involve work both at TCU and/or outside of TCU (but inside the state of Texas), including field work, internships, part-time jobs, and unpaid volunteer positions, all of which are to be centered around providing real-world training that would enhance the possibility of obtaining a career in sociology-related research area. Student is expected to complete from 90-100 on-site internship hours. This course can be taken once to apply for the Sociology major.

### **SOCI 40803 - Social Inequality (3)**

Prerequisite: SOCI 20213, 20223, or permission of instructor. Examination of the current status of inequality in contemporary American society in terms of the distribution of power, prestige, and wealth. Critical assessments of economic, status, racial sexual, and political inequality. Focus on such dimensions as the impact of inequality on personal life chances, crime, and social mobility, the feasibility of equality in our society, the programs and policies to reduce inequality and their political and societal ramifications.

### **SOCI 40813 - Work and Society (3)**

A sociological examination of work, particularly in a contemporary U.S. context. Focus is on how work has changed over time, how government and corporate policies impact the workplace, and how and what types of work inequalities persist.

### **SOCI 50610 - Directed Study in Sociology (1.00-9.00)**

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.

## **SOWO - Social Work**

### **SOWO 10533 - Freshman Seminar in Social Work (3)**

Topics may vary.

### **SOWO 10833 - Introduction to Social Work (3)**

Students will learn about the social work profession, critically explore a variety of social problems, and review how social workers seek to address these problems. Topics include the history of social work, careers in social work, and advocacy efforts at the micro, mezzo, and macro levels of social work practice.

### **SOWO 20990 - International Residential Study (1-20)**

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 (3)**

Prerequisites: SOWO 10833 or permission of instructor, and enrollment in the Honors College. 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 30433 - Social Work Practice with Children (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course will look in-depth into application of child development theory in working with children of all ages across multiple settings and cultures. Students will learn skills to work with children, parents and families.

**SOWO 30513 - Social Work and Civil Rights (3)**

Prerequisites: SOWO 10833 or permission of instructor. Discusses the history of civil rights movements in the US and the role of social workers in those movements during the past 150 years. Students analyze the societal context in which social movements occur and how social movements are congruent with social work values.

**SOWO 30523 - Addictions (3)**

Prerequisites: SOWO 10833 or permission of instructor. Students will learn about various forms of addiction, including the biological, psychological, and social factors that contribute to addiction, and the anticipated outcomes of addiction. This course emphasizes how social workers can address addiction through intervention across the micro, mezzo, and macro levels of practice.

**SOWO 30533 - Social Work in the Criminal Justice System (3)**

This course examines theories and methods of social work intervention, with an emphasis on intervening with justice-involved clients. Students will develop skills that can be applied to practice with individuals, families, and groups in both community-based and institutional criminal justice settings. This course is most relevant for students who are Criminal Justice and Social Work majors and minors (course may be offered as CRJU or SOWO credit).

**SOWO 30543 - Family Health Nursing (3)**

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 (3)**

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 (3)**

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 (3)**

Prerequisite: SOWO 10833. This course focuses on the social welfare system as it affects children in American society. This class focuses on 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. This course also examines the nature and dynamics of child abuse and neglect in American society, the assessment and identification of abuse and neglect, as well as direct practice and intervention within the child welfare system.

**SOWO 30580 - International Community Service (Mexico) (3-9)**

Provides the opportunity for students to study the language, culture and social service delivery system of Mexico. (This course is only offered as P/NC.)

**SOWO 30583 - Social Work and Diversity**

Prerequisites: 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 30593 - Rights and Responsibilities of Citizens in the Global World (3)**

Corequisites: NTDT 30993. Students will study and compare complex issues that affect social and economic justice in Spain and the US, with a focus on civic responsibility for addressing global problems. Students

will gain an understanding of global problems such as poverty, homelessness, hunger, and health care, and how each country responds to them through policy and service delivery. Students will participate in service learning activities to see firsthand how services are delivered to vulnerable populations in both countries. The course is open to all majors and is taken concurrently with NTDT 30993. Fluency in Spanish is NOT required.

**SOWO 30693 - Global Perspectives in Health (3)**

Prerequisite: SOWO 10833 or permission of the instructor. Students will examine selected cultures in an international setting. The course emphasizes the social and cultural factors associated with human service delivery systems in the destination country. Open to all majors; usually taught in summer abroad program.

**SOWO 30803 - Professional Communication in Social Work**

Prerequisites: SOWO 10833 or concurrent enrollment in SOWO 10833; social work majors or social work minors with permission of the instructor. Developing effective communication as a professional social worker is the goal of this course. Emphasis is on written and oral communication necessary in professional practice. The course requires written exercises submitted for review and rewritten to reflect ongoing professional development. Students practice oral communication skills in role plays.

**SOWO 30833 - Macro Social Work Practice (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course introduces theories and skills related to macro social work practice and focuses on issues related to spatial justice and critical competence. It utilizes an interprofessional approach by examining the various macro systems that impact communities and ways in which community organizations utilize community assets to create large-scale change. This course introduces and utilizes skills related to community organizing, community development, community and organizational assessments and evaluations, and community research.

**SOWO 30843 - Human Behavior and Social Environment I (3)**

Prerequisite: SOWO 10833 or permission of instructor. Human Behavior in the Social Environment I examines global issues and trends that provide context to prenatal through adolescent development. Students acquire knowledge of policies, practices, and interventions in various countries and develop an understanding of the impact of geographical, cultural and political factors on developmental outcomes of individuals, especially children and adolescents. Although the course is part of a 2-course sequence, it can be taken independently. It can also be taken concurrently, before, or after SOWO 30853.

**SOWO 30853 - Human Behavior and Social Environment II (3)**

Prerequisite: SOWO 10833 or permission of instructor. The course focuses on physical, cognitive and socioemotional development during emerging to late adulthood. It critically examines the effects of trauma, identity characteristics, group membership and marginalization on healthy aging. Although the course is part of a 2-course sequence, it can be taken independently, It can also be taken concurrently, before, or after SOWO 30843.

**SOWO 30863 - Social Welfare Policy (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course focuses on understanding particular historical and current social policies and issues affecting the development of social welfare services and the relationships between basic societal values and social welfare services. The course will also examine the impact policy has on social and economic justice, diverse groups, and marginalized populations.

**SOWO 30883 - Micro Social Work Practice (3)**

Prerequisites: SOWO 10833 or permission of instructor. Students will learn how to conduct an initial client interview. Skill areas include informed consent, gathering data, motivation and rapport, assessment, goal setting, and referrals and resources. Knowledge, values, and skills taught in this course align with the generalist practice approach.

**SOWO 30990 - International Residential Study (1.00-20.00)**

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 (3)**

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 40413 - Animal Assisted Therapy and Social Work (3)**

Prerequisites: SOWO 10833, or permission of instructor. This course focuses on the use of animal assistance as a therapeutic intervention in working with clients across varied settings. Students will learn the theory and practice of animal assistance, and research findings related to the effectiveness of animal assistance. The course includes a mixture of lecture, visits to therapeutic sites, and guest speakers who share their insight from the field.

**SOWO 40423 - Ethics in Social Work Practice (3)**

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 40433 - Intimate Partner Violence & Social Work (3)**

This course provides an overview of contemporary issues in a variety of settings, designed to empower future social work practitioners with the conceptual frameworks and knowledge base necessary for effective intervention. The focus of the course will be on models of service delivery to address the impact of intimate partner violence across the lifespan including children exposed to IPV, dating violence, and older women.

**SOWO 40443 - School Social Work (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course is designed to provide the student with an overview of social work practice in schools. Students will examine the history of school social work, state and federal education laws, educational issues and policies, conceptual frameworks (such as the ecological approach) and service delivery models. Evidence-based programs, interventions and practices will be highlighted; in particular, those that optimize the potential for growth and learning, especially among at-risk youth. The course is intended to develop awareness and understanding of the unique role that the school social worker has and how it influences the lives of children, families, school staff, schools, and communities.

**SOWO 40453 - Social Work Practice with Diverse Populations (3)**

Prerequisite: SOWO 10833, or permission of 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 40463 - Social Work with Groups and Families**

Prerequisite: SOWO 10883 or permission of instructor. A 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 intervention process with groups and families. Case material and role playing exercises is included.

**SOWO 40473 - Homelessness in the US (3)**

Prerequisites: SOWO 10833 or by instructor permit. This course comprehensively explores the social problem of homelessness in the United States. It examines how homelessness in the United States has changed over time, risk factors for homelessness, and individual, familial, and societal consequences of unresolved homelessness. The course will also evaluate the effectiveness and efficiency of social policies and practice interventions meant to address homelessness. The course will provide an immersive experience involving meetings with key stakeholders and subject experts as well as visits to local homeless assistance agencies. The class will also visit different communities in Texas to understand how manifestations of and responses to homelessness differ between communities.

**SOWO 40483 - Social Work and Social Justice through Sport, Recreation, and Play (3)**

Prerequisites: SOWO 10833. Social work in sport is an emerging specialization within the greater field of social work. There are many issues relevant to social workers that are distinctly related to sports and athletes both nationally and globally. Topics of interest to social workers and other disciplines alike include public concern for player welfare and conduct, mental health among athletes, coaching and organizational

neglect (i.e., issues internal to U.S. gymnastics, Penn State, etc.), equal pay, and advocacy for ownership and representation among exploited athletes. This course aims to provide a foundation for professionals interested in social work and social justice through sport, recreation, and play settings to assist clients, programs, and organization in their efforts to support equity, global health, and psychological well-being for individuals and athletes.

**SOWO 40510 - Directed Study in Social Work (1.00-20.00)**

Designed for students who undertake readings or projects in social work in consultation with an instructor.

**SOWO 40513 - Approaches to Healthy Aging (3)**

Prerequisites: SOWO 10833 or permission of instructor. 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 (1.00-3.00)**

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 (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course focuses on aspects of the law relevant to social work practice. Students will apply legal frameworks to social work practice with families, offenders, people with mental illness, and consumer protection. Students will also learn what constitutes negligence and malpractice by social workers, the laws and ethics of confidentiality, and how to effectively collaborate as a social worker with the legal system.

**SOWO 40543 - Social Work with Older Adults (3)**

Prerequisites: SOWO 10833 or permission of instructor. This course is an introduction to aging and/or an overview of the field of gerontology. Major concepts, theories and principles of gerontology will be introduced. Students will explore ageism, current demographic trends in our society, and old age as a stage of lifespan development, health and healthcare concerns of older persons, issues of work, retirement, housing and economics, family relationships and social support, quality of life, and political issues of an aging society.

**SOWO 40563 - Grief and Loss (3)**

Prerequisites: SOWO 10833 or permission of instructor. The course examines losses that elicit grief responses and explores ways the mourner finds meaning in life after a significant loss. We will look at a individual, family, and community level factors that can impact the grief experience of individuals and families. This course prepares students to work with clients on grief and loss.

**SOWO 40573 - Community Mental Health (3)**

Prerequisites: SOWO 10833 and 30863. This course will focus on mental and behavioral health issues and their implications for the profession of social work. We will study a) various careers in the social work profession that intersect with mental and behavioral health services, b) theories and frameworks for mental and behavioral health, c) issues of diversity, inequality, and stigma, and d) mental and behavioral health issues for specific populations. This course is not meant to be an in-depth clinical overview of specific diagnoses, nor will it cover advanced clinical techniques. Nevertheless, this course will encourage students to think critically about mental and behavioral health, and implications of these topics for their future professional practice.

**SOWO 40583 - Developmental Disabilities (3)**

This course will cover factors that cause and contribute to developmental disabilities (DD) such as Down syndrome and autism, development trajectories of individuals with DD (from birth to old age), contextual influences (family, community, school) on wellbeing of individuals with DD, and policy and programs designed to support persons with DD.

**SOWO 40813 - Research Methods in Social Work (3)**

Prerequisites: MATH 10043 and SOWO 10833, or permission of instructor. Students will learn the scientific method and how to conduct evidence-based practice. Students will learn how to find, read, and assess research studies found in academic articles and apply what they learn to social work practice. Knowledge, values, and skills taught in this course align with the generalist practice approach.



**SOWO 40823 - Field Seminar I (3)**

Prerequisites: SOWO 30833, 30883 and minimum 2.25 TCU GPA; minimum 2.5 GPA in social work; program approval through the junior evaluation process; concurrent enrollment in SOWO 40813. The field seminar course provides the opportunity to integrate the knowledge, values, and skills learned in the classroom with what you will do in the internship setting. This is where you begin to work in the world of social work practice and is a bridge to becoming a professional social worker.

**SOWO 40833 - Field Seminar 2 (3)**

Prerequisites: SOWO 40823 with a grade of C or better; minimum 2.25 TCU GPA; minimum 2.5 GPA in social work; program approval through the junior evaluation process. Field seminar II continues the opportunity to integrate the knowledge, values, and skills learned in the classroom with what you will do in the internship setting. It is also where you begin the transition from student to professional social worker and where you prepare to graduate.

**SOWO 40843 - Field Education I (3)**

Prerequisites: SOWO 30833, 30883 and 2.25 TCU GPA; 2.5 GPA in social work; faculty approval; concurrent enrollment in SOWO 40813 and SOWO 40823. In this class, you will have a supervised field internship within a social work agency. Students will have the opportunity to apply their social work knowledge and skills within a generalist social work setting. The student will be responsible for completing 240 hours (approximately 16 hours for 15 weeks) within the placement. There are additional fees associated with this course.

**SOWO 40886 - Field Education I (6)**

Prerequisites: SOWO 30833, 30883 and 2.25 TCU GPA; 2.5 GPA in social work; faculty approval; concurrent enrollment in SOWO 40813. 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 - for a total of 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 - Field Education II (3)**

Prerequisites: SOWO 40883 with a grade of C or better; 2.25 TCU GPA; 2.5 GPA in social work; faculty approval; concurrent enrollment in SOWO 40833. Field Education II is a continuation in the same field placement, allowing students the opportunity to extend and deepen, under professional guidance, the development of practice knowledge and skills with clients. The student will spend 16 hours per week for 15 weeks in an assigned agency for a total of 240 hours. There are additional fees associated with this course.

**SOWO 40896 - Field Education II (6)**

Prerequisites: SOWO 40886 with a grade of C or better; 2.25 TCU GPA; 2.5 GPA in social work; faculty approval. 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 for a total of 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 40863 - Social Work with Groups and Families (3)**

Prerequisite: SOWO 10883 or permission of instructor. Students will develop group leadership skills and gain an understanding of the dynamic group process. Students will learn from course content, group leader skills trainings, and in-class demonstration groups. Knowledge, values, and skills taught in this course align with the generalist practice approach, and are applicable to various group work formats.

**SOWO 40883 - Diversity and Social Justice (3)**

Prerequisites: SOWO 10833, or permission of instructor. Students who take this course will learn to think critically about diversity. This course helps students distinguish between myths and realities related to cultural, ethnic, gender, sexual orientation, age, and ability differences. The course stresses experiential content and learning, and applies to both American and global contexts.

## SPAN - Spanish

**SPAN 10103 - Spanish for Beginners 1 (3)**

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. A student cannot receive credit for both SPAN 10113 and SPAN 10103. (No credit given to native or heritage speakers.)

**SPAN 10113 - Intensive Spanish for Beginners 1 (3)**

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 given to native or heritage speakers.)

**SPAN 10203 - Spanish for Beginners 2 (3)**

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 10213. A student cannot receive credit for both SPAN 10213 and 10203. (No credit given to native or heritage speakers.)

**SPAN 10213 - Intensive Spanish for Beginners 2 (3)**

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 10303 - Flamenco A to Z (3)**

An introduction to flamenco in Spain, beginning with the arrival of the art form in Spain, its history, various musical forms, instruments, and some dance elements. Flamenco as represented in literature and film. Hands-on activities bring flamenco to life in the classroom.

**SPAN 19000 - Special Topics in Hispanic Language and Cultures (1.00-3.00)**

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 (3)**

Prerequisite: SPAN 10203 or SPAN 10213 or equivalent. Further development of 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; heritage speakers may receive credit with permission of the department.)

**SPAN 20113 - Intensive Intermediate Spanish 1 (3)**

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; heritage speakers may receive credit with permission of the department.)

**SPAN 20203 - Intermediate Spanish 2 (3)**

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. 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 20213 - Intensive Intermediate Spanish 2 (3)**

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 (3)**

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 (1.00-20.00)**

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 29000 - Special Topics in Hispanic Languages and Cultures (1.00-3.00)**

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 30003 - Junior Honors Thesis (3)**

A preparatory course in which a student selects a topic and carries out exploratory research under faculty guidance. These credits do not count towards any Major or Minor in the Dept. of Spanish & Hispanic Studies. The finalized project is completed in SPAN 43103, which does not count towards the BA in Spanish or the BA in Latin American Studies.

**SPAN 30013 - Summer Study Abroad - Language (3)**

Prerequisites: SPAN 20203 or 20213. A Spanish language course in a TCU Spanish faculty-led summer abroad program. Designed to increase communicative and cross-cultural skills significantly for personal and professional applications. May be repeated for credit at a different site.

**SPAN 30023 - Summer Study Abroad - Culture (3)**

Prerequisites: SPAN 20203 or 20213. A course on the culture of the host country in a TCU Spanish faculty-led summer abroad program. Designed to increase communicative and cross-cultural skills significantly for personal and professional applications. May be repeated for credit at a different site.

**SPAN 30503 - Advanced Spanish: Personal to Public (3)**

Prerequisites: SPAN 20203 or 20213 or equivalent. This course aims to develop Spanish skills within narrative and descriptive rhetorical modes while fostering cultural awareness through authentic materials. Written, oral, listening, and reading practices will serve to strengthen communicative competencies and move from a personal to a public intercultural expression.

**SPAN 30603 - Advanced Spanish: From Local to Global (3)**

Prerequisites: SPAN 20203 or 20213 or equivalent. This is an advanced course that aims to develop Spanish skills within the expository and persuasive rhetorical modes while fostering cultural awareness through numerous authentic materials. Written, oral, listening, and reading practice, as well as the inclusion of grammar study, will serve to strengthen communicative abilities from a local to a global intercultural expression.

**SPAN 30803 - Introduction to Literature (3)**

Prerequisites: SPAN 30503, 30603, or 31703. This course explores the techniques and strategies necessary for the study and appreciation of literary texts in Spanish. This objective will be realized through the analysis of representative works in each of the four basic genres (drama, poetry, narrative, and essay) and their variations, paying close attention to the historical and cultural contexts within which authors and their works are placed. The selected texts cover a variety of literatures produced in Spanish-speaking societies. This course is a prerequisite for all 40000-level literature courses.

**SPAN 30990 - International Residential Study (1.00-20.00)**

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 31103 - Oral Communication in Spanish (3)**

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 (3)**

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. Native speakers will not receive credit for this course, unless special permission is granted by department chair.

**SPAN 31303 - Spanish Linguistics (3)**

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 31403 - Advanced Spanish Grammar (3)**

Prerequisites: SPAN 20203 or 20213 or equivalent. Theory and practice of more advanced Spanish grammatical structures. Guided and creative exercises and compositions. Native speakers will not receive credit for this course, unless special permission is granted by department chair.

**SPAN 31503 - Spanish for Health Professions I (3)**

Prerequisites: SPAN 20203 or 20213 or equivalent. Course provides the student with basic 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. Taught fall semester only.

**SPAN 31603 - Spanish for Business Professions I (3)**

Prerequisites: SPAN 20203 or 20213 or equivalent. This 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. Taught fall semester only.

**SPAN 31703 - Spanish for Heritage Speakers (3)**

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 (3)**

Prerequisites: SPAN 30503 or SPAN 30603 or SPAN 31703. 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 31903 - The Practice of Spanish Translation (3)**

Prerequisites: SPAN 30503, 30603, or 31703. 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 31990 - International Residential Study (1.00-20.00)**

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 of Spain (3)**

Prerequisite: SPAN 30503, 30603, or 31703. Students gain an understanding and appreciation of the development of Spain as a nation from historical, political, geographical, and cultural perspectives.

**SPAN 32103 - Culture of Latin America (3)**

Prerequisites: SPAN 30503, 30603, or 31703. A study of the development and cultural achievements of Latin America's major civilization, from pre-Hispanic times to the present.

**SPAN 32203 - Popular Cultures of Spanish-speaking Countries (3)**

Prerequisites: SPAN 30503, 30603, or 31703. 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 - Cinema of Spain (3)**

Prerequisites: SPAN 30503, 30603, or 31703. Analysis of contemporary issues as expressed through selected films from Spain.

**SPAN 32403 - Cinema of Latin America (3)**

Prerequisites: SPAN 30503, 30603, or 31703. Analysis of contemporary issues as expressed through selected films from Latin American countries.

**SPAN 32503 - Panorama of Spanish Literature 1 (Pre-1800) (3)**

Prerequisites: SPAN 31203. An overview of Spanish literature from the Middle Ages to the end of the 18th century.

**SPAN 32603 - Panorama of Spanish Literature 2 (Post-1800) (3)**

Prerequisites: SPAN 31203. An overview of Spanish literature from the beginning of the 19th century to the present.

**SPAN 32703 - Panorama of Latin American Literature 1 (Pre-1820) (3)**

Prerequisites: SPAN 31203. 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.

**SPAN 32803 - Panorama of Latin American Literature 2 (Post 1820) (3)**

Prerequisites: SPAN 31203. 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.

**SPAN 32903 - Spanish Pronunciation and Phonology (3)**

Prerequisites: SPAN 30503, 30603, or 31703. Course provides students with an introduction to the theory and practice of the Spanish sound system. Course enhances students' awareness of the interferences of their mother tongue with their spoken Spanish. Students are exposed to the variety of Spanish dialects.

**SPAN 32990 - International Residential Study (1.00-20.00)**

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 33003 - Flamenco A to Z (3)**

Prerequisites: SPAN 30503, 30603 or 31703. This course is a survey of flamenco in Spain, beginning with the arrival of the art form in Spain, its history, various musical forms, instruments, and some dance elements. Flamenco as represented in literature and film will also be studied. Hands-on activities bring flamenco to life in the classroom.

**SPAN 33103 - Culture of Brazil (3)**

Prerequisites: SPAN 30503, 30603, or 31703. A study of the cultural institutions, both historical and contemporary, that distinguish Brazilian society.

**SPAN 34990 - International Residential Study (1.00-20.00)**

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 36690 - International Residential Study (1.00-20.00)**

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 36990 - International Residential Study (1.00-20.00)**

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 (1.00-20.00)**

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 (1.00-20.00)**

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 39000 - Special Topics in Hispanic Literature and Culture (1.00-3.00)**

Prerequisites: SPAN 30503, 30603, or 31703. 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 39990 - International Residential Study (1.00-20.00)**

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 40970 - Directed Research in Spanish (1.00-6.00)**

Prerequisite: permission of department chair. Opportunity for independent study, culminating in a substantial written research project.

**SPAN 41000 - Internship in Spanish (1.00-3.00)**

Prerequisites: 2 upper-level courses, (Recommended: SPAN 30503 and SPAN 30603 or, for Heritage Speakers, SPAN 31703 and either SPAN 30503 or SPAN 30603). Under faculty supervision, a student completes an internship in a Spanish-speaking professional setting or international experience. Counts toward major or minor. Credits 1.00-3.00

**SPAN 41103 - Golden Age Spanish Literature (3)**

Prerequisites: SPAN 30803. A study of the literary culture and representative works of prose, poetry, and drama of major writers in Spain in the sixteenth and seventeenth centuries.

**SPAN 41203 - Cervantes (3)**

Prerequisites: SPAN 30803. A study of the works of Miguel de Cervantes, with special attention to the Quixote and the Novelas ejemplares within the context of the Renaissance.

**SPAN 41303 - Modern Spanish Literature (3)**

Prerequisites: SPAN 30803. 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 (3)**

Prerequisites: SPAN 30803. 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 (3)**

Prerequisites: SPAN 30803. 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 (3)**

Prerequisites: SPAN 30803. A study of the literary culture and representative contemporary novels of the twentieth and twenty-first centuries from Latin America.

**SPAN 41703 - Mexican Indigenous Literatures (3)**

Prerequisites: SPAN 30803. A study of Mexico's 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 Literature (3)**

Prerequisites: SPAN 30803. A study of literary works by Spanish-speaking writers of African descent from the Caribbean and other parts of Latin America. Course also explores Hispanic literary productions in the West African nation of Equatorial Guinea.

**SPAN 41903 - Hispanic Women Writers (3)**

Prerequisites: SPAN 30803. 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 (3)**

Prerequisites: SPAN 30803. 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 Literatures (3)**

Prerequisites: SPAN 30803. A comparative study of the literature of the Spanish and Portuguese-speaking worlds. Emphasis could be on Europe, Latin America, Africa, or any combination of Spanish and Portuguese-speaking peoples.

**SPAN 42203 - Borderland Cultures (3)**

Prerequisites: SPAN 30803. A survey of varied cultural productions related to the borderlands--especially U.S.-Mexico-- including short stories, poems, film, documentaries, music, and performance. Through this course, students will gain general knowledge on cultural representations on the specified geopolitical frontiers and their relation to the spatial context of the border as a territory with particular social, political, economic, and cultural practices.

**SPAN 42503 - Spanish for the Health Professions 2 (3)**

Prerequisite: SPAN 31503. This course builds on knowledge acquired in the introductory course on Spanish for the Health Professions. Course provides the student with advanced oral, written and reading skills in Spanish for healthcare purposes, as well as an understanding of cultural differences. Students will develop lexical knowledge related to the medical field and discuss current medical events. Experiential/service-learning in local hospitals is part of the course whereby students will begin to apply the information learned in the course to enhance their communication with patients.

**SPAN 42603 - Spanish for Business Professions 2 (3)**

Prerequisites: SPAN 31603. This course builds on knowledge acquired in the introductory course on Spanish for Business Professions. Course provides the student with advanced oral, written, and reading skills in Spanish for business purposes, as well as an understanding of cultural differences. Course enhances lexical knowledge related to the business field and current business events. Opportunities are provided for experiential learning in the local Latino community.

**SPAN 43003 - Medical Translation and Interpretation (3)**

Prerequisite: SPAN 30503, 30603, or 31703. This course introduces skills for English-to -Spanish medical translation and interpretation. Course exposes students to standard medical terminology, medical phraseology, and specialty terms. Emphasis is placed on translation and interpretation as tools to build language skills and intercultural competence in the medical field. Contrastive analyses between Spanish and English as a way of gaining competence in the Spanish language.

**SPAN 43103 - Senior Honors Thesis (3)**

Prerequisites: SPAN 30803. Independent projects in literature or linguistics or cultural studies resulting in a Senior Honors Thesis.

**SPAN 43203 - Senior Seminar (3)**

Prerequisites: At least one 40000-level literature course in Spanish. 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. May be repeated for credit under different topics.

**SPAN 43303 - Hispanic Topics in English Translation (3)**

Occasional course on a selected topic related to the history, literature, and culture of Spanish-speaking countries. Taught in English.

**SPAN 49000 - Special Topics in Hispanic Literature and Culture (1.00-3.00)**

Prerequisites: SPAN 30803. 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 (3)**

Special topics in Hispanic literature, culture, language, or pedagogy. May be repeated for credit, up to 9 credits. Taught in Spanish.

## STCO - Strategic Communication

**STCO 11103 - Writing and Editing (3)**

Prerequisites: A grade of C or higher in each of the gateway courses STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 or equivalent. Introduction to basic writing and editing skills for advertising and public relations. Includes the study and application of style and story structure. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 13103 - Communication in Society (3)**

This course is open to non-majors. Study of communication in society through various perspectives. Investigation of media as agents of cultural norms, values, mythologies, influence and change.

**STCO 16103 - Diversity (3)**

Prerequisites: A grade of C or higher in each of the gateway courses: STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 or equivalent. Study of the historical, economic, legal, political and social implications of the relationship between marginalized groups and the media, primarily in the United States. This class will explore how the media help in constructing notions of social reality. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 20990 - International Residential Study (1.00-20.00)**

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.

**STCO 22403 - Interactive Design (3)**

An overview of planning, strategy and construction of interactive platforms such as websites, advergaming, blogs and data presentations for target audiences. Open to non-majors.

**STCO 23113 - Advertising (3)**

Prerequisite: Open to strategic communication majors only. An overview of advertising in society with a realistic approach about managing advertising in corporate and agency operations. Examination of local, national and global strategies and messages. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 23123 - Public Relations (3)**

Prerequisites: Open to strategic communication majors only. An overview of public relations as a profession and process that builds mutually beneficial relationships between organizations and publics. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 30003 - Junior Honors in Strategic Communication (3)**

Prerequisites: A grade of C or higher in each of the gateway courses STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 or equivalent. Rigorous exploration of public relations or advertising topics. Generally offered to juniors in the major on an independent study basis. Specific focus and outcomes are determined by the student and the instructor. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 30653 - Web Apps (3)**

Prerequisites: A grade of C or higher in each of the gateway courses STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 or equivalent. Non-majors need permission of instructor. Introduction to the rapidly developing field of web apps. Basics of some of the most important tools - HTML5, CSS, Javascript, code libraries, and development environments. Creation of apps that meet common needs of media professionals. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 30990 - International Residential Study (1.00-20.00)**

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.

**STCO 31423 - Strategic Writing (3)**

Prerequisites: STCO 11103, STCO 16103, STCO 32403, and STCO 35503. Strategic message creation with an emphasis on best practices for writing and editing in advertising and public relations. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 32403 - Design (3)**

Prerequisites: A grade of C or higher in each of the gateway courses STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 or equivalent. Introduction to page layout software, image editing and basics of design. Creation and critique of designs for advertisements, newsletters and other printed and digital pieces. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 32503 - Images (3)**

Prerequisites: STCO 11103, STCO 16103, STCO 32403, and STCO 35503. The study of principles and techniques in digital photography and video in strategic communication with the goal of producing images for public relations and advertising. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 32603 - Publications (3)**

Prerequisites: STCO 11103, STCO 16103, STCO 32403, and STCO 35503. Non-majors need permission of instructor. Creation and critique of printed and digital publications. Introduction to art direction, design theory, planning, production, printing, digital delivery, brand extension and visual continuity. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 35413 - Creative Strategy (3)**

Prerequisite: STCO 11103 and 32403. Planning, creating and producing materials for advertising and public relations. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 35503 - Research (3)**

Prerequisite: A grade of C or higher in each of the gateway courses STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 (Statistics) or equivalent. Introduces qualitative and quantitative research methods and metrics commonly used in advertising and public relations. The class emphasizes the use of research to shape decisions. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 36403 - Digital Storytelling (3)**

Prerequisites: STCO 11103 and STCO 32403. Introduction to video editing software, image editing and basics of digital storytelling. Creation and critique of videos for advertisements, stories, and advocacy. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 36433 - Social Change (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. The use of advertising, public relations and marketing principles to create social change by influencing people's attitudes and behavior. Commonly used in public health communication, social marketing tackles societal problems needing behavioral change. Introduces the field of transformative consumer research. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40003 - Senior Honors in Strategic Communication (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. A major research study, generally offered to seniors in the major on an independent study basis, involving a substantial topic or project under the supervision of a three-member faculty committee. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40810 - Washington Semester Colloquium (3)**

Prerequisites: Acceptance in the Strategic Communication Washington Semester program and permission of the designated coordinator of the Washington Semester. This colloquium, hosted by The Washington Center, promotes personal and professional growth in interns. The colloquium exposes interns to persons and places relevant to their career goals, culminating in reflective analysis, deeper self-awareness, and a thorough understanding of their respective careers. Required course for students in the Washington program. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40820 - Washington Internship (1.00-9.00)**

Prerequisites: Acceptance in the Strategic Communication Washington Semester program and permission of the designated coordinator of the Washington Semester. Practical experience overseen by a faculty member in a media organization in the Washington, D.C., area consistent with the student's major in Strategic Communication. Credit hours are based on approximately 75 hours in internship activities for each semester credit hours. A maximum of six credit hours can be applied toward the Strategic Communication major. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40873 - Washington Semester Special Topics (3)**

Prerequisites: Acceptance in the Strategic Communication Washington Semester program and permission of the designated Coordinator of the Washington Semester. Studies issues related to government and communication in Washington D.C. Topics may be related to legal or historical issues, lobbying, campaigning, public policy, research, or other issues, as approved by the Coordinator of the Washington Semester. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40901 - Senior Seminar (1)**

Prerequisites: Senior standing, with at least 27 hours in the major. This course helps students identify their strengths, competencies, skills, and interests in order to help with the transition to the advertising and public relations professions. Students attain appropriate certifications, develop and curate their portfolios, and polish interviewing strategies while developing plans for their careers. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 40970 - Special Topics (1.00-6.00)**

Prerequisites: permission of Department of Strategic Communication administrator. Specific issues requiring independent or small group research and study in strategic communication. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 41413 - Copywriting (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503. This elective course presents a practical examination of theories, models,

fundamentals, and processes used in the development of effective advertising copy and its important role in strategic communication. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 41423 - Feature Writing (3)**

Prerequisites: STCO 11103, STCO 16103, STCO 32403, and STCO 35503. Students learn and practice writing features, opinion pieces and other reports for target audiences. Emphasis on developing style, content and structure for a variety of print and digital formats for target audiences. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43113 - Psychology of Advertising (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. 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. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43143 - Sports Communication (3)**

Prerequisite: A grade of C or higher in each of the gateway courses; STCO 23113 and 23123; and a combined GPA of 2.5 or higher in these courses; and a C- or higher in MATH 10043 or INSC 20153 (Statistics) or equivalent. An exploration and study of historical and current sports advertising, sports in advertising, licensing, endorsements, team promotion and marketing, and career paths. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43333 - Roxo Agency (3)**

Prerequisites: permission of instructor. For strategic communication majors, must be a junior or senior who has successfully completed required gateway courses STCO 23113 and 23123 with a C or higher in each, and a combined GPA of 2.5 in these courses, plus six upper-level hours in the major. Related majors are also eligible to apply. Students work 9 hours weekly on client projects and also attend a one-hour weekly class in Roxo, TCU's student agency for advertising and public relations. Students learn agency operations, professional roles, work practices and industry trends. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43503 - Gender and Media (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503. Study of media influence on gender roles and how women working in media affect perceptions about gender roles. Course explores changing expectations about women's and men's participation in leadership, communication, organizations and global issues. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43803 - New Media (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503. Introduces the fields of advertising and public relations in new media. Topics covered include digital persuasion techniques, interactive media theory, new media planning and measurement, analytics, social media and interactive design considerations. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 43813 - Social Media (3)**

Prerequisites: STCO 11103, 16103, 23113, 23123, 32403, and 35503. Social media for Strategic Communication is an upper-level course dedicated to exploring new emerging technologies and media influencing business, marketing, public relations, and advertising practices and research.

**STCO 44433 - Global Branding (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503. Introduces how global brands are communicated and positioned to target audiences through marketing communications, including advertising, public relations and sales promotions. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 45413 - Channel Planning (3)**

Prerequisites: STCO 11103, 16130, 32403, and 35503. An analytical approach to media planning, implementing and evaluation brand strategy within a multichannel context (broadcasting, print, digital, non-traditional, social media, mobile marketing, direct marketing or alternative media.) Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 46403 - Law (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. Legal responsibilities, rights and restrictions in advertising and public relations. Survey of Constitutional guarantees, corporate and commercial speech, privacy, copyright, libel and defamation, plus guidelines and laws related to federal agencies, financial disclosure, deceptive advertising, and other issues. Professional ethics codes and ethical models will also be discussed. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 46723 - Social Responsibility (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503, and junior standing. Examines the global Corporate Social Responsibility movement and explores its challenges. Students examine how to bridge successful partnerships between corporations and causes, how to improve the quality of life for employees and communities and to measure outcomes. Students will embark on a hands-on project that uses their communication and leadership skills. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 47403 - Ethics (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503, and junior standing. Examines ethical issues and professional codes used in advertising, public relations and media. Students will look critically at current professional practices to develop an understanding of prominent ethical questions. Legal responsibilities and guidelines will also be discussed. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 47433 - Global Communication (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. Examines sources, media delivery systems and the impact of globally conveyed information in different cultural contexts. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 47523 - Crisis Communication (3)**

Prerequisites: STCO 11103, 16103, 32403, and 35503. Non-majors require permission of instructor. This course covers the way issues of public concerns are detected by news media and strategic communication professionals, how communication of government policies as well as corporate and nonprofit organizations' concerns affect public opinion, and analyzes a variety of crises, using real cases as examples. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 47533 - Case Studies (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. Use of the case study method to scrutinize organizational events and problems to discover best practices and solutions, based on theory, principles and models related to public relations and advertising. Course content may focus on advocacy and public affairs cases when the Texas Legislature is in session. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

**STCO 48300 - Internship (1.00-3.00)**

Prerequisite: Grade of C or higher in each of the gateway courses: STCO 23113 (Advertising) and STCO 23123 (Public Relations), and a combined GPA of 2.5 or higher in these courses; at least 12 hours completed in the major, with a C or higher in each course; sophomore standing, and permission of instructor. Practical experience in advertising, public relations, or related communication disciplines in a workplace setting. The course may be taken multiple times in segments of one, two or three hours per semester, with a minimum of 75 hours worked for each semester hour credit. A maximum credit of six hours can apply to the major. Additional hours earned can apply as generic electives towards

the required number of hours needed to graduate. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48530 - Roxo Internship (1.00-3.00)**

Prerequisites: Permission of instructor and completion of STCO 43333 (Roxo Agency) with an A- grade or higher. Variable credit of up to three credit hours. Students continue learning agency operations and work with clients in Roxo, TCU's student agency for advertising and public relations. Internship hours are based on 75 hours of client work for each credit hour earned; students may repeat the course to earn a maximum of six credit hours. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48533 - Integrated Communication (3)**

Prerequisite: STCO 11103, 16103, 32403, and 35503. Students learn how the various communication functions -- including advertising, public relations, marketing, direct response, sales promotion and supportive communication -- can be integrated for maximum effectiveness in a variety of settings. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48813 - Ad Competition (3)**

Prerequisite: Senior standing plus STCO 45413 (Channel Planning), STCO 35503 (Research) and STCO 35413 (Creative Strategy) and instructor approval. Campaign participants are selected after an application process. For Marketing majors: senior standing and permission of instructor. Students research, plan, create, execute and evaluate an advertising campaign for a national client, as part of the American Advertising Federation National Student Advertising Competition. Crosslisted as MARK 40713. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48823 - PR Competition (3)**

Prerequisite: Senior standing, plus STCO 32403 (Design), STCO 31423 (Strategic Writing) and STCO 35503 (Research) and instructor approval. Students research, plan, create, execute and evaluate a multimedia campaign for a designated client. Participation in the Public Relations Student Society of America Bateman Case Study Competition. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48833 - Campaigns (3)**

Prerequisites: Senior standing; STCO 32403 (Design); STCO 35503 (Research); and STCO 45413 (Channel Planning) or STCO 47533 (Case Studies). Working in a team to research, plan, create, execute and evaluate a multimedia strategic communication campaign for a designated client. Students will utilize their accumulated knowledge from their major courses. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 48933 - Schieffer Associates (3)**

Prerequisites: Preference is given to juniors and seniors. Permission of instructor and/or department chair. This course develops the student's ability to analyze, establish and execute external and internal communication goals, strategies and tactics for a client. Students use research, discussion, peer evaluation and instructor assessment to produce creative and effective solutions to marketing and promotion challenges. The course places students in the role of communication professionals working with the Bob Schieffer College of Communication and other TCU academic units and organizations as their clients. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 50333 - Advertising and the Consumer (3)**

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. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 50383 - History of Strategic Communication (3)**

Seminar designed to explore the history of strategic communication. Issues discussed in this class will improve historical knowledge about the

mass media and give a foundation for understanding the professional development of strategic communication. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 50523 - Information Law and Policy (3)**

Prerequisites: Open to graduate students in Strategic Communication. Undergraduate students must have passed STCO 46403 (Law) with a grade of C or higher and must have permission of the instructor. Advanced media law course for students focusing on contemporary challenges faced by strategic communication professionals. The course emphasizes how the law of mass communication has adapted to new and emerging technologies such as the Internet and social media, with a particular focus on privacy, access to information, and intellectual property. Students will learn and apply normative legal research methods to answer modern questions relevant to professional communicators. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 50970 - Special Topics (1.00-20.00)**

Prerequisites: Permission of administrator in the Department of Communication. Specific issues requiring independent or small group research and study in strategic communication. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

### **STCO 53483 - Crisis Communication (3)**

Prerequisite: Grade of C or higher in each of the gateway courses: STCO 11103, STCO 16103, STCO 23113, and STCO 23123 and a combined GPA of 2.5 or higher in these courses, or Graduate admission. Non-majors require permission of the instructor. This course examines the way issues of public concerns are detected by news media and strategic communication professionals as the issues develop, and it examines how the crisis management and communication of government, corporate and nonprofit organizations' concerns affect public perceptions and opinions. The course emphasizes practical application of theories, strategies and tactics of communicating to multiple stakeholders in crisis situations. Students must earn a C or higher in each strategic communication course required for credit toward completion of STCO major degree requirements.

## **TESL - Teaching ESL**

### **TESL 20003 - TESOL for the Teacher Scholar (3)**

This course is an overview of interdisciplinary teaching approaches and scholarship methods for work with individuals adding English to their repertoire of languages. Through attending lectures, participating in discussions, and completing assignments, students will understand the ways teachers of English to speakers of other languages think and act as ethical leaders and responsible citizens in the global community."

### **TESL 30003 - English Learned via TESOL (3)**

This course provides perspectives on English as a language when speakers of other languages learn it and when teachers, both native and non-native speakers of English, employ interdisciplinary approaches to teaching and scholarship. Through attending lectures, participating in discussions, and completing assignments, students will understand aspects of and gain perspectives on English as a learned language and as a taught lect in the global community."

### **TESL 40003 - TESOL Certificate Practicum (3)**

Prerequisites: TESL 20003; TESL 30003; a 3-credit course in an Adult Second Language for Communication (ASLC). This class prepares practically the student for the job of teaching English to speakers of other languages. The student will draw on the experience of having been a classroom learner of another language other than English. The practicum student observes and assesses the learning and teaching of English in the TESOL classroom before eventually planning lessons and teaching.

## **THEA - Theatre**

### **THEA 10433 - Freshman Seminar in Theatre: Fort Worth Theatre Exploration (3)**

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 (3)**

An introductory course in theatre focusing on production, performance, dramatic literature and history.

**THEA 11013 - Survey of Musical Theatre (3)**

An introductory course in musical theatre focusing on production, performance, musical theatre literature and history. Students enrolled in honors section must also enroll in Survey of Musical Theatre honors zero hour lab section to receive honors credit.

**THEA 11023 - Diverse Voices in Theatre (3)**

This is a Fine Arts (FAR), Diversity, Equity, and Inclusion Essential Competency (DEI EC), and Comparative Race and Ethnic Studies (CRES Attribute) course that explores underrepresented voices in American theatre with a focus on the work of contemporary playwrights spanning from the 1970s to the present.

**THEA 11103 - Art of the Theatre (3)**

An introductory course for theatre majors and minors exploring the various components of theatre theory and production.

**THEA 11203 - Stagecraft (3)**

An introductory course in technical theatre focusing on theory and practice of basic scenery construction, rigging, and safety for the theatre. A lab is required for this class.

**THEA 11213 - Theatre Graphics (3)**

An introductory course in technical theatre focusing on reading and producing ground plans, elevations, section drawings, light plots, figure drawings, and perspective drawings.

**THEA 11223 - Stage Makeup (3)**

Prerequisites: open only to theatre majors. An introductory course in practical makeup. Exploring makeup design principals and application techniques, character research and development.

**THEA 11233 - Practical Costuming (3)**

An introductory course in costume construction focusing on jobs in the industry and the functioning of a Costume Studio, sewing, fabrics, and the procedures for theatrical costuming. An integrated lab is required for this class.

**THEA 11243 - Introduction to Theatre Design (3)**

A beginner course in which students explore the various ways in which a designer approaches their craft. From ideation analysis to communication delivery of final designs, students will learn how to work from a script, research and develop ideas, as well as present design proposals for Scenic, Costume, Lighting and Sound.

**THEA 11253 - Stagecraft & Stage Lighting (3)**

An introductory course focusing on the theory and practice of basic scenery construction, rigging, stage lighting, and safety in the theatre. A lab is required for this class.

**THEA 11303 - Acting I: Introduction (3)**

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 11502 - Musical Theatre Performance Lab I (2)**

Prerequisites: permission of instructor. An introductory course in musical theatre performance to acquaint students with technique, analysis, literature, and professional practices. This course may be repeated for credit.

**THEA 20990 - International Residential Study (1.00-20.00)**

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 (3)**

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 (3)**

Prerequisite: THEA 11203. An intermediate course in stage management focusing on theory, preparation and practice.

**THEA 21213 - Drawing for Theatre (3)**

An introductory course in drawing skills required for design work in theatre, including figure drawing, realistic drawing, perspective and technical drawing used in scenic, costume, and lighting designs.

**THEA 21223 - Stage Management & Sound Design (3)**

An introductory course in Stage Management covering the duties of the modern stage manager and the process of designing sound effects and music selections for theatre productions.

**THEA 21303 - Acting II: Realism (3)**

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 I (3)**

Prerequisite: Open only theatre majors and minors. A laboratory course focusing on analysis and development of physical skills for actors.

**THEA 21333 - Voice and Speech I (3)**

Prerequisite: Open only to BFA theatre majors with emphases in Acting, Musical Theatre, Theatre Studies, or permission of instructor. A laboratory course for actors focusing on development of breath, resonance and articulation and their application to performance.

**THEA 21403 - Rendering (3)**

Prerequisites: THEA 21423, or 21433, or permission of the instructor. Students will explore different rendering and artistic media used to produce visuals for the purpose of efficiently communicating elements of scenic, costume and lighting designs. Processes and skills developed will be introduced in both traditional and digital platforms.

**THEA 21413 - Stage Lighting (3)**

An introductory course in stage lighting focusing on design and practice.

**THEA 21423 - Drawing on the Past I (3)**

A drawing class that also examines major epochs and cultures through the lens of the stage and production designer in developing an understanding of global history and the development of its artifacts as it is told visually. This course covers the periods of The Ancients through Mannerism.

**THEA 21433 - Drawing on the Past II (3)**

A drawing class that also examines major epochs and cultures through the lens of the stage and production designer in developing an understanding of global history and the development of its artifacts as it is told visually. This course covers the periods of Baroque through the 20th Century.

**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 21502 - Musical Theatre Performance Lab II (2)**

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 - Theatre Production (1)**

Practical experience for juniors and seniors in all areas of theatre production, related directly to Theatre TCU productions. May be repeated for credit.



**THEA 30910 - Theatre Performance (.00-1.00)**

Prerequisite: Permission of the instructor. A pass/no credit course offering practical experience in acting for students cast in Theatre TCU productions. May be repeated for credit. May not be used to satisfy a Theatre Elective" category for any Theatre BA or BFA degree plan."

**THEA 30911 - Theatre Performance (1)**

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 (1.00-20.00)**

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 31000 - Junior Honors Seminar (1.00-3.00)**

Prerequisite: permission of instructor. Individual honors projects for junior theatre students who are enrolled in the TCU Honors Program.

**THEA 31003 - Junior Honors Seminar (3)**

Prerequisite: permission of instructor. Individual honors projects for junior theatre students who are enrolled in the TCU Honors Program.

**THEA 31103 - Theatre History I (3)**

Prerequisites: ENGL 10803 and 20803. History of western theatre from its origins in ancient Greece to the Spanish Golden Age.

**THEA 31113 - Theatre History II (3)**

Prerequisites: ENGL 10803 and 20803. History of western theatre from the French Neo-Classic Period to today.

**THEA 31123 - Period Styles (3)**

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 (3)**

Study and practice in the art of writing plays for the theatre, including dramatic structure, dialogue and characterization. This course may be repeated for credit.

**THEA 31203 - Computer Graphics for Theatre (3)**

Prerequisite: THEA 11213 or permission of instructor. A course exploring the use of Vectorworks in 2D and 3D drafting for the stage. Concentration on theatre specific technical drawings, lighting diagrams, and detail drawings using the USITT Standard best practices.

**THEA 31213 - Scene Painting (3)**

An advanced course in technical theatre focusing on painting scenery for the stage. This class explores application, color, and problem solving for the most used styles and attempts towards realism as they have developed through history.

**THEA 31223 - Costume Technology (3)**

Prerequisites: THEA 11233. An advanced production course in costume construction and technology techniques including pattern making, draping (pattern development), millinery (hat making), and other specialties such as mask making and fabric dying.

**THEA 31303 - Acting III: Auditioning (3)**

Prerequisite: THEA 21303. A performance course for actors in which they study and practice the process of auditioning for theatre, film, juries, and other media, using monologues, scenes, cold readings, and songs.

**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 (3)**

Prerequisite: THEA 21334 or permission of instructor. An advanced laboratory course focusing on vocal skills for actors.

**THEA 31333 - Acting Shakespeare (3)**

Prerequisites: THEA 21303. An advanced acting styles course focusing exclusively on the performance of Shakespearean scenes and monologues.

**THEA 31343 - Directing (3)**

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 31353 - Stage Movement II (3)**

An intermediate performance class focused on the study and development of various movement techniques related to the development of movement skills and physical connection to text for actors.

**THEA 31363 - Voice & Speech II (3)**

Prerequisite: THEA 21333 or permission of instructor. An intermediate performance class focused on the vocal skills and health for actors.

**THEA 31373 - Stage Movement III (3)**

An advanced performance class focused on the study and development of various movement techniques related to the development of movement skills and physical connection to text for actors.

**THEA 31383 - Voice & Speech III (3)**

An advanced performance class focused on the vocal skills and health for actors in vocal communication.

**THEA 31403 - Scene Design (3)**

Prerequisite: THEA 11213. An intermediate/advanced course in Scene Design exploring the elements and principles of design as applied to live performance. Students will explore the process of analyzing a narrative through a designer's lens, developing ideas, translating those ideas into physical elements, discuss and apply research methods and presentation techniques, ultimately designing and presenting a preliminary scenic package for a scripted narrative.

**THEA 31413 - Costume Design (3)**

Prerequisite: THEA 11243 or permission of instructor. An advanced course focusing on costume design through script analysis, historical and contemporary research, and character development.

**THEA 31423 - Sound Design (3)**

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 (3)**

This course introduces students to the elements and principles of prop design, research and execution. Over the course of the semester, students will explore the process of script character analysis, research fabrication, and methods and strategies for addressing specific story challenges related to physical properties.

**THEA 31443 - Lighting Design (3)**

Prerequisite: THEA 11253. A design course specializing in the use of lighting to enhance a theatrical production. Concentration on the aesthetic of stage lighting and programming lighting consoles.

**THEA 31502 - Musical Theatre Dance (2)**

A laboratory dance class in musical theatre styles. Specific styles may vary by semester. May be repeated for credit.

**THEA 31503 - Musical Theatre Theory I (3)**

Prerequisites: permission of instructor. A course in music theory specifically designed for the issues most commonly faced in Musical Theatre.

**THEA 31513 - Musical Theatre Theory II (3)**

Prerequisite: THEA 31503 or permission of instructor. An intermediate exploration of the components of written music crucial to the musical theatre performer, designed to assist students in understanding and applying the written language of music.

**THEA 31523 - Musical Theatre Workshop (3)**

This course is designed to assist non-Musical Theatre emphasis students in expanding and honing their musical theatre performance and audition skills.

**THEA 31900 - Theatre Internship (1.00-6.00)**

Prerequisite: Permission of instructor. Off-campus theater internships. 1-3 credits. May be repeated for credit.

**THEA 34990 - International Residential Study (1.00-20.00)**

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 40173 - Topics in Dramatic Literature (3)**

This course is designed to teach students advanced skills in reading and understanding dramatic literature by providing a thematic study of various topics and/or writers. This course may be repeated for credit.

**THEA 40223 - Entertainment Technologies (3)**

Prerequisites: THEA 11203 and 11243. A project-based course focusing on established and emerging industrial technologies used in the production and execution of the performing arts.

**THEA 41000 - Senior Honors Seminar (1.00-3.00)**

Prerequisites: THEA 31000 or permission of instructor. Individual honors projects for senior theatre students who are enrolled in the TCU Honors Program.

**THEA 41001 - Senior Showcase (1)**

This course prepares students to enter the professional audition world of the entertainment business through a perfection of their audition acting, singing and dancing skills. Enrollment allowed through audition only.

**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 (3)**

Prerequisites: Permission of instructor. Individual honors projects for senior theatre students who are enrolled in the TCU Honors Program.

**THEA 41043 - Professional Seminar (3)**

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 41103 - 20th Century Theatre (3)**

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 (3)**

An advanced lecture course covering the major historical periods of Western dress, focusing on the stage.

**THEA 41123 - Modern Trends in Theatre (3)**

Prerequisite: Permission of instructor and successful completion of ENGL 10803 and 20803. An experiential theatre course, usually taught in London. Students attend theatre productions and meet with theatre professionals as well as visit other cultural sites. This course may be repeated for credit.

**THEA 41133 - Musical Theatre History (3)**

A theatre history course focusing on Musical Theatre in the 19th, 20th and 21st 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 41163 - Devised Theatre (3)**

Devised theatre, frequently called Collective Creation, is a method of theatre making in which the script or performance score originates from collaborative, often improvisatory work by a performing ensemble. Working from a prompt (idea, theme, concept, symbol, tool) our process includes five key stages; research, development, documentation, rehearsal, and performance.

**THEA 41190 - TCU in London (1.00-3.00)**

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: Performance Styles (3)**

Prerequisite: THEA 31303 or permission of instructor. An advanced course in acting focusing on non-realistic styles.

**THEA 41313 - Stage Combat (3)**

Prerequisite: THEA 21323 or permission of instructor. This course will explore the basic rules and moves of Unarmed Stage Combat, to further build the tool bag of the student actor. This course focuses on theory, practice, and application. Combat moves learned in this course are based on the Society of American Fight Directors' unarmed regulations.

**THEA 41323 - Dialects (3)**

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 - Acting V: On Camera (3)**

A performance course focused on the study of acting technique related to film and television.

**THEA 41343 - Acting VI: Voice Over (3)**

Prerequisite: permission of instructor. An advanced performance course focused on the study of voice acting and vocal performance.

**THEA 41353 - Advanced Scene Study (3)**

An advanced performance course focused on building a character, building a scene, playing the style, emphasizing methods of achieving truthful behavior on the stage.

**THEA 41413 - Advanced Stage Lighting**

Prerequisite: THEA 21413. An advanced course in technical theatre focusing on aesthetics and special effects in stage lighting.

**THEA 41493 - Design & Technology Studio (3)**

Prerequisites: THEA 21423, 21433, and or permission of instructor. This is a practical workshop class, allowing student designers, technicians and their mentors to work together on the research and development of practical theatrical designs and technical elements in theatre. This course may be repeated for credit.

**THEA 41503 - Musical Theatre Performance (3)**

Prerequisite: two semesters of THEA 11502, two semesters of THEA 31512, or permission of instructor. An advanced acting/musical theatre course focusing on the refinement of performance skills and professional practices. This course may be repeated for credit.

**THEA 41513 - Advanced Musical Theatre Performance (3)**

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 (1.00-3.00)**

Prerequisite: Permission of instructor. Independent theatre research or performance projects 1-3 credits. May be repeated for credit.

**THEA 41910 - Special Topics in Theatre (1.00-3.00)**

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 (1.00-6.00)**

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 (1.00-6.00)**

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 (1.00-6.00)**

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 (1.00-6.00)**

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 (1.00-6.00)**

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 (1.00-3.00)**

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.

## UNLF - University Life

**UNLF 10211 - Introduction to University Life (1)**

This one-hour course for first-semester students provides knowledge and skills to help students successfully transition into the academic community at TCU. With an Instructor and Peer Guide, students in the course explore the nature and purpose of higher education, critical thinking, goal-setting, time-management and stress-management, campus resources, and learning in a diverse community, among other topics.

## UNPR - University Programs

**UNPR 10001 - Self Assessment and Career Exploration (1)**

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; (This course is only offered P/NC.)

**UNPR 10110 - Special Problems in Interdisciplinary Studies (1-3)**

Special Problems in Interdisciplinary Studies. Credits 1-3

**UNPR 10211 - Introduction to University Life**

This one-hour course for first-semester students provides knowledge and skills to help students successfully transition into the academic community at TCU. With an Instructor and Peer Guide, students in the course explore the nature and purpose of higher education, critical thinking, goal-setting, time-management and stress-management, campus resources, and learning in a diverse community, among other topics. A primary feature of the course is the creation of a FrogFolio, a dynamic digital platform where students reflect upon, organize, archive, and display their significant learning experiences, both inside and outside the classroom.

**UNPR 30002 - Professional Careers: Planning & Decision-making (2)**

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.

**UNPR 30201 - Exploring Global Citizenship**

This seminar will provide study abroad students with the knowledge, skills and attitudes needed for effective and appropriate engagement with people and issues in the world. The course provides students a framework for exploring the nature of civic differences, the need for global collaboration, and the tools for doing so. The course also prepares students for UNPR 30302, Actions for Global Citizenship, upon their return.

**UNPR 30302 - Initiatives for Global Citizenship**

This course is intended as a capstone for students to use the knowledge and skills gained during their study abroad experience as a springboard for global citizenship. The course provides students an opportunity to define their understanding of global citizenship, to explore global issues from multiple perspectives, and to consider how to take the competencies developed abroad and apply them in engagement with global issues.

**UNPR 30970 - Directed Study in Interdisciplinary Studies (1-6)**

Directed Study in University Programs. Credits 1-6

**UNPR 30990 - International Residential Study (1-20)**

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.

## WGST - Women & Gender Studies

**WGST 20003 - Introduction to Women and Gender Studies (3)**

This course will serve as an interdisciplinary introduction to Women and Gender Studies, focusing on major issues and theories, for which gender and sexuality provide the unifying themes. The interactive curriculum emphasizes threshold concepts in the field of women's, gender, and sexuality studies: the social construction of gender, sex, and sexuality; privilege and oppression; intersectionality; and feminist praxis. Readings, service learning projects, and assignments facilitate discussion and understanding of differences in gender, race, ethnicity, age, class, sexuality, ability, and additional social identities.

**WGST 30104 - The Queer Art of Drag (4)**

Prerequisites: WGST 20003 or permission of instructor.

**WGST 30193 - Queer Theories (3)**

Prerequisites: WGST 20003. This course will serve as an introduction to the diverse theories, political movements, histories, identities, and arts that could be called queer. In this class, students will utilize queer theories to better understand and respond to the complex systems of marginalization, violence, and privilege that organize our social worlds today and to better understand our own positionality within those systems.

**WGST 30203 - Social Justice Organizing & Activism (3)**

Prerequisites: WGST 20003 or CRES 10103. This interdisciplinary course examines mass movements from an intersectional perspective, emphasizing how intersecting social identities (e.g. race, gender, sexuality, class, ability, citizenship status, etc.) influence how systemic oppressions are experienced and, thus, should shape the social economic, and political interventions employed in the name of social justice. The course incorporates empirically grounded and theoretical scholarship from multiple disciplines to consider diverse methods of mass movement organizing and mobilization on the local and/or global levels to shift power and privilege dynamics. Students will examine the philosophical, relational and logistical barriers to undertaking social justice organizing and activism, develop technical skills for building consensus across difference, and design their own organizing campaigns.

**WGST 30303 - Feminisms of Color (3)**

Prerequisites: Any WGST-prefix or attribute course OR any CRES-prefix or primary attribute course. An interdisciplinary course exploring the feminist theories, traditions, activisms, discourses, and praxes of women of color in a US context. Using an intersectional approach, the course examines how race, class, gender, sexuality, citizenship status, ability, religion, and other markers of identity create complex systems of marginalization in the lives of women of color in the United States. Students will analyze the contributions US women of color have made to

contemporary feminist thought and how these theories have influenced their activism.

### **WGST 30403 - Transnational Gender & Sexuality (3)**

This interdisciplinary course considers the fundamental place of gender and sexuality in shaping a range of cultural narratives and examines how various movements related to gender and sexuality have been constructed, contextualized, and regulated in different parts of the world. The course analyzes the gendered dimensions of complex phenomenon such as colonialism, globalization, and capitalism and situates liberal Western feminism's history and contemporary articulation within global systems of power. Students will develop an analytical framework for examining the intersections of social justice, transnational identities, and feminism.

### **WGST 30413 - Sex, the Body, & U.S. Borders (3)**

Since the late 19th century, sexuality, morality, and race have been the dominant frames through which the U.S. government has attempted to contain and categorize migrant bodies. This class examines how border regimes produce and discipline sexuality and the body through medical examinations, quarantine, policing, and law. Starting with late 19th century policies of exclusion and restriction, we will examine how the policing of sexualities at the border persisted through more liberal periods of migration, ending with discussions of migrant policy today.

### **WGST 30503 - Foundations in Women, Gender, and Sexuality Studies (3)**

Prerequisites: WGST 20003. This seminar is designed for students completing the TCU Women & Gender Studies major, minor, or emphasis. As an upper-division course, it will involve a heavy dose of critical thinking, reading, and writing; consider the history, theories, and methodologies of the field; and assume a high level of student discussion. This course will trace significant feminist, queer, and gender studies histories and explore the impact these diverse traditions have on praxis in a variety of settings (activist, professional, political, interpersonal).

### **WGST 30903 - Special Topics in WGST (3)**

Special topics in Women and Gender Studies. Topic, method, and theme will vary from semester to semester. Students may take more than one Special Topics class as long as they are different themes.

### **WGST 30973 - Directed Study in Women and Gender Studies (3)**

Prerequisite: permission of instructor. Directed study in women and gender studies. Topic, method, and theme will vary from semester to semester.

### **WGST 30990 - International Residential Study (1.00-20.00)**

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.

### **WGST 31003 - Junior Honors Seminar (3)**

Prerequisites: Junior standing as a WGST emphasis, minor, or major and be enrolled in the Honors College. Independent projects on a topic relevant to Women & Gender Studies. Focus of project to be determined in consultation with WGST affiliate faculty member.

### **WGST 40003 - Advanced Seminar in Women and Gender Studies (3)**

Prerequisite: WGST 20003 or any two courses approved for the minor/emphasis in Women and Gender Studies. This course explores research, theory, praxis, and activism in the field of women and gender studies. Students read classic and contemporary works and complete a theorized research, creative, or activist project employing feminist methodologies.

### **WGST 40350 - Senior Capstone Project/Thesis (3)**

### **WGST 40503 - WGST Senior Capstone Project/Thesis (3)**

Prerequisites: WGST 50103. This course is designed for students completing the BA, BS, or minor in Women & Gender Studies.

### **WGST 41003 - Senior Honors Seminar (3)**

Prerequisites: Senior standing as a WGST emphasis, minor, or major and be enrolled in the Honors College. Independent projects on a topic relevant to Women and Gender Studies. Focus of project to be determined in consultation with WGST affiliate faculty member.

### **WGST 49003 - Internship in Women and Gender Studies (3)**

Internships (usually local in Tarrant County) arranged with the consent of the Director of the Women and Gender Studies Program for declared minors, taken on a strictly Pass/No Credit basis. (3 semester hours).

### **WGST 50103 - Feminist/Queer Inquiry (3)**

Prerequisites: WGST 20003. This interdisciplinary course considers key concepts in contemporary feminist theories as they are applied in praxis. Drawing on readings from a range of feminist scholarly traditions, students carry out inquiry projects grounded in key historical trends and social issues linked to the study of gender and sexuality in varying cultural contexts.

### **WGST 55103 - Feminist/Queer Inquiry (3)**

Prerequisites: Enrollment in an accelerated master's program. This interdisciplinary course considers key concepts in contemporary feminist theories as they are applied in praxis. Drawing on readings from a range of feminist scholarly traditions, students carry out inquiry projects grounded in key historical trends and social issues linked to the study of gender and sexuality in varying cultural contexts.

## **WRIT - Writing**

### **WRIT 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.

### **WRIT 20103 - Reading as a Writer**

Introduces concepts of close reading and the creative writing workshop. Engages questions of the role of reading in culture, its impact on understanding complex issues, and the connection of reading to composing.

### **WRIT 20113 - Technical and Professional Writing (3)**

Principles, techniques, and skills needed for writing in scientific, technical, or other professional settings. Focus on the genres necessary to make decisions and take action in the workplace, such as proposals, reports, instructions, correspondence, policies and procedures, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents, with emphasis on the dynamics of leadership in professional contexts.

### **WRIT 20123 - Travel Writing**

Introduces concepts of close reading and the creative writing workshop. Engages the craft of travel writing within and across cultures as a way to deepen awareness of what it means to be a global citizen, while fostering a more nuanced view of the individual in the world.

### **WRIT 20133 - Performing Identity**

In this writing course, students will read and analyze plays, experimental collaborative performances, and poetry, specifically focusing on the construction of identity through the written word and performance. Students will also get experience writing their own plays and poetry, as well as receive constructive critiques on their own written work.

### **WRIT 20303 - Writing Games (3)**

Students explore the rhetorical dimensions of writing within and about games, considering both how games are a form of writing and writing hybridizes genre conventions. While both games and writing have long been important elements of culture, students in this class will come to a better understanding of how the two are mutually informative. Students will consider how games inform writing, how writing informs games, and how both games and writing compose the world at large.

### **WRIT 20313 - Power and Protest (3)**

Study of social protest movements and their persuasive strategies. Rhetorical analysis of the forms and functions of dissent, agitation, resistance, and control.

### **WRIT 20323 - Introduction to Multimedia Authoring (3)**

An introduction to authoring with multiple digital modes: image, sound, and video. By incorporating rhetorical concepts such as audience, context, and persuasive appeals, students gain a basic experience of multimodal composition while investigating and/or advocating as citizens. This course does not require any previous experience with these modes or digital technologies.

**WRIT 20333 - Language, Technology, and Society (3)**

An introduction to the ways in which social organizations, technology, and language influence one another.

**WRIT 20343 - The Rhetoric of Science (3)**

An exploration of the rhetorical strategies by which science is integrated into our lives. This course will demonstrate how scientific realities are rhetorically and socially constructed at the intersection of science and citizenship. Students will examine the complex relationships between science, faith, racism, and social justice and will attend to how economic, sexual, racial, or ability differences may intersect with issues like environmental justice or access to healthcare.

**WRIT 20833 - Introduction to Coding in the Humanities (3)**

This course is designed as an introduction to coding for students in the Humanities and/or the Digital Culture and Data Analytics (DCDA) Minor. Hence, students will be introduced to the basics of a computer programming language (such as Python or R) as it pertains to the intellectual, cultural, and creative work central to the Humanities.

**WRIT 30013 - Distinction Program: Thesis I (3)**

Course meets to support students' independent distinction projects in literature and writing.

**WRIT 30203 - Urban Rhetorics (3)**

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 scape.

**WRIT 30213 - Advanced Composition: Writing Genres (3)**

Prerequisites: ENGL 10803 or 10833, ENGL 20803 or 20833. Writing workshop that builds on lower division composition courses by focusing on the analysis and production of texts written for specific rhetorical situations and discourse communities. Emphasis on new writing contexts and contemporary writing genres whether for academic, professional, creative, or personal purposes.

**WRIT 30223 - Advanced Technical Writing (3)**

Prerequisites: ENGL 10803 and either ENGL 20803, or WRIT 20113. A course in practical communication with a concentration on topics in technical writing and information design, including oral presentations and use of visual materials and digital tools. Assignments are tailored to fit students' major fields and professional interests. Student cannot receive credit for WRIT 55223 and WRIT 30223.

**WRIT 30233 - Creative Nonfiction Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A creative nonfiction writing class for students with some experience in creative writing. In this course, students will get experience writing memoir, personal essays, autobiography, oral history, and in other nonfiction genres.

**WRIT 30243 - Rhetorical Practices in Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Appropriation of the vocabulary, taxonomies, and strategies of classical and modern rhetoric for the purposes of critical inquiry into contemporary communication and behavior. Student cannot receive credit for WRIT 55663 and WRIT 30243.

**WRIT 30253 - Rhetorical Traditions (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for WRIT 55253 and WRIT 30253.

**WRIT 30263 - Style (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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.

**WRIT 30273 - Argument and Persuasion (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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.

**WRIT 30283 - Cyberliteracy (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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.

**WRIT 30293 - Non-Human Rhetoric and Representation (3)**

Non-Human Rhetoric and Representation challenges students to reevaluate non-human actors by interrogating a variety of theoretical, literary and filmic texts, including theory, fiction, documentary, and children's literature.

**WRIT 30343 - Fiction Writing Workshop I (3)**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A fiction writing class for students with some experience in creative writing.

**WRIT 30353 - Poetry Writing Workshop I (3)**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A poetry writing class for students with some experience in creative writing.

**WRIT 30363 - Digital Creative Writing (3)**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. Explores the composition of creative work using digital technologies - collage, graphic narratives, multimedia poetry/fiction, and creative short animations. Course emphasizes concepts in creative writing, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating typography, image, and other modes.

**WRIT 30373 - Drama Writing Workshop I**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting.

**WRIT 30390 - Publication Production (1.5)**

Prerequisites: ENGL 10803 or 10833, and 20803 or 20833. A 1.5 hour credit course intended for students with an interest in publication and basic web design. Students in the course will work in every stage of the production of a least one of the English department's print or digital publications. Specifically, students will gain knowledge of and experience in (1) the history and purpose of the publication's genre, (2) the selection, editing, and proofing of the publication's drafts, (3) the publication's layout and the design, and (4) the distribution and promotion of the completed product. Students will also receive practical training with relevant publishing and design software. This course may be repeated for credit.

**WRIT 30391 - Publication Production (1.5)**

Prerequisites: ENGL 10803 or 10833, and 20803 or 20833. A variable credit course intended for students with an interest in publication and basic web design. Students in the course will work in every stage of the production of a least one of the English department's print or digital publications. Specifically, students will gain knowledge of and experience in (1) the history and purpose of the publication's genre, (2) the selection, editing, and proofing of the publication's drafts, (3) the publication's layout and the design, and (4) the distribution and promotion of the completed product. Students will also receive practical training with relevant publishing and design software. This course may be repeated for credit.

**WRIT 30603 - Rhetoric of Social Media (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT course. This course explores the characteristics, affordances, and effects of social media as rhetoric, with special attention to the ways in which the uniquely digital qualities of social media such as speed, interactivity, anonymity, remix, and networked circulation complicate the traditional rhetorical situation of rhetor, audience, text, and context. Student cannot receive credit for WRIT 55153 and WRIT 30603.

**WRIT 30613 - Writing Cross-cultural Differences (3)**

Prerequisites: ENGL 20803. Students will write their own texts in multiple genres and carry out rhetorical analysis of writing that addresses questions about cultural differences--across individual identities, within various communities, and in connection with social issues. Strategies writers use to engage with intersectional domains such as race, ethnicity, social class, gender, regionalism, national vision, and other social affiliations will be examined. Addresses the Rhetoric Culture category for Writing majors and the Writing category for English majors. Student cannot receive credit for WRIT 55163 and WRIT 30613.

**WRIT 30623 - Rhetorics of American Identities (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. This course uses rhetorical theory to analyze competing discourses of American identities, including how America and Americans are defined, which identities (of race, ethnicity, sexuality, ability, religion, etc.) are deemed 'un-American,' who controls those definitions, and the rhetorical strategies by which they are reinforce or challenged. Individual sections may focus on particular issues, genres, and/or time periods.

**WRIT 30663 - Women's Rhetorics (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. 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). Student cannot receive credit for WRIT 55623 and WRIT 30663.

**WRIT 30803 - Theories of Cinema (3)**

Prerequisites: ENGL 10803 and ENGL 20803. A study of theories of cinema as text in the humanities, including areas such as analytic approaches to film, rhetorical approaches to film, and/or film criticism. Course includes an integrated lab for viewing required films.

**WRIT 30813 - Books and the History of Print Culture (3)**

Prerequisites: ENGL 10803 or 10833, and ENGL 20803 or 20833. This course examines the history of the book from the perspectives of producers and consumers. It includes the social and cultural significance of print culture, analyzing print technology as a mass media capable of shaping human attitudes. As readers move from the printed page to the computer screen, all areas of traditional print culture are changing as well, including the most basic concepts of what it means to be a writer, reader, and publisher. This course may include a lab component.

**WRIT 30893 - Digital Inclusiveness: Cultural Identity & Authoring (3)**

Prerequisite: ENGL 20803 Critical examination of how digital authorship technologies impact and are changed by cultural identities, especially with inclusivity with regard to race, class, gender, sexual identity, and ability.

**WRIT 30990 - International Residential Study (1.00-20.00)**

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.

**WRIT 38063 - Writing Major Seminar (3)**

Prerequisites: Writing majors and minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces Writing majors and minors to a sustained, long-format research project over the course of the semester. Students will examine and practice disciplinary conventions in the context of future career possibilities and/or graduate school by also preparing a professional portfolio designed for an external audience. Student cannot receive credit for WRIT 55733 and WRIT 38063.

**WRIT 40013 - Distinction Program: Thesis II (3)**

Independent study to complete a distinction project in literature or writing.

**WRIT 40133 - Creative Nonfiction Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. A creative nonfiction writing class for students with some experience in creative writing, this a craft/workshop course intended for advanced writers who have a committed interest in creative non-fiction (such as personal

essay, literary journalism, travel writing, science writing, memoir, and other non-fiction genres) and are comfortable writing longer works of prose. As a workshop, students will work cooperatively to share and improve each others' work during the semester. Student cannot receive credit for ENGL 55133 and ENGL 40133.

**WRIT 40163 - Multimedia Authoring: Image and Hypertext (3)**

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.

**WRIT 40203 - Fiction Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced fiction-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT 30343 (Fiction Writing Workshop I.)

**WRIT 40213 - Poetry Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced poetry-writing workshop, focusing on the growth of students' own work. Prior to enrollment, students are also strongly encouraged to take ENGL/WRIT 30353 (Poetry Writing Workshop I.)

**WRIT 40223 - Drama Writing Workshop II**

Prerequisites: ENGL/WRIT 10203 or ENGL/WRIT 20103. An advanced dramatic writing workshop, focusing on the growth of students' own work in playwriting and/or screenwriting. Prior to enrollment, students are strongly encouraged to take another 30000-level course in creative writing.

**WRIT 40233 - Writing for Publication (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. A survey of the possibilities of writing for magazine publication and the construction of essays and articles for specific markets.

**WRIT 40243 - Advanced Professional Writing (3)**

Prerequisites: ENGL 10803 and either ENGL 20803 or WRIT 20113. An advanced course in writing, rhetoric, and design appropriate to diverse professions (e.g., law, medicine, engineering, social work). Students analyze, and write for, particular audiences in terms of their genre conventions, content expectations, and language dynamics.

**WRIT 40253 - Propaganda Analysis and Persuasion (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. The nature of persuasive discourse and social movements involving propaganda explored through illustrations and theories that facilitate their understanding.

**WRIT 40263 - Multimedia Authoring: Animation and Film (3)**

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. Student cannot receive credit for WRIT 55263 and WRIT 40263.

**WRIT 40273 - Writing Internship (3)**

Prerequisites: 60 credit hours; major GPA of 3.0 or Cum GPA of 2.8 minimum; approval of the department. Students place themselves 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. Course may be repeated once for credit.

**WRIT 40283 - Editing and Publishing (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. Introduces students to the practice of editing manuscripts intended for publication. Topics include the editorial process (both academic and commercial), the ethics of editing, and the role of the editor in publishing. Students will engage in extensive editing practice of journal and book manuscripts. Student cannot receive credit for WRIT 55283 and WRIT 40283.

**WRIT 40333 - Language, Rhetoric and Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. Explores the role of language in human communication and culture, with attention to the implications of language ideologies to various forms of communicative interaction.

Review and critique of theories of language and communication as a social and political phenomena.

**WRIT 40363 - Multimedia Authoring: Mobile Apps and eBooks (3)**

Explores the complex relationship between new media, culture, and design, with particular emphasis on the production of mobile applications and eBooks publications. 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. Student cannot receive credit for WRIT 55743 and WRIT 40363.

**WRIT 40373 - The Rhetoric of Revolution (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. Analysis of the nature of revolutionary discourse with attention to the logic, arguments, and persuasive appeals of written works and rhetorical performances.

**WRIT 40463 - Multimedia Authoring: Comics Production (3)**

Prerequisites: ENGL 20803. Explores the complex relationship between new media, culture, and design, with particular emphasis on comics and graphic narratives. Course emphasizes concepts in rhetoric, multimedia, and authorship in print and digital environments. Students design and compose a variety of multimedia projects incorporating image and text (drawn and digitally manipulated). Student cannot receive credit for WRIT 55753 and WRIT 40463.

**WRIT 40563 - Multimedia Authoring: Sound & Podcasting (3)**

Explores the complex relationship between new media, culture, and design, with particular emphasis on the production of sound and podcasting. Course emphasizes concepts in rhetoric, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating sound, print, image, and other modes.

**WRIT 55103 - Style (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for WRIT 55103 and WRIT 30263.

**WRIT 55113 - Multimedia Authoring Image and Hypertext (3)**

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. Student cannot receive credit for WRIT 55113 and WRIT 40163.

**WRIT 55123 - Language Rhetoric and Culture (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT course. Explores the role of language in human communication and culture, with attention to the implications of language ideologies to various forms of communicative interaction. Review and critique of theories of language and communication as a social and political phenomena. Student cannot receive credit for WRIT 55123 and WRIT 40333.

**WRIT 55133 - Multimedia Authoring: Image and Hypertext (3)**

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. Student cannot receive credit for WRIT 55133 and WRIT 40163.

**WRIT 55143 - Multimedia Authoring: Sound & Podcasting (3)**

Explores the complex relationship between new media, culture, and design, with particular emphasis on the production of sound and podcasting. Course emphasizes concepts in rhetoric, multimedia, and authorship in digital environments. Students design and compose a variety of multimedia products incorporating sound, print, image, and other modes. Student cannot receive credit for WRIT 55143 and WRIT 40563.

**WRIT 55153 - Rhetoric of Social Media (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 20000-level ENGL/WRIT course. This course explores the characteristics, affordances, and effects of social media as rhetoric, with special attention to the ways in which the uniquely digital qualities of social

media such as speed, interactivity, anonymity, remix, and networked circulation complicate the traditional rhetorical situation of rhetor, audience, text, and context. Student cannot receive credit for WRIT 55153 and WRIT 30603.

**WRIT 55163 - Writing Cross-cultural Differences (3)**

Prerequisites: ENGL 20803. Students will write their own texts in multiple genres and carry out rhetorical analysis of writing that addresses questions about cultural differences--across individual identities, within various communities, and in connection with social issues. Strategies writers use to engage with intersectional domains such as race, ethnicity, social class, gender, regionalism, national vision, and other social affiliations will be examined. Addresses the Rhetoric Culture category for Writing majors and the Writing category for English majors. Student cannot receive credit for WRIT 55163 and WRIT 30613.

**WRIT 55173 - Intersections of Literacies, Pedagogies, and Black Feminisms (3)**

Prerequisites: Admission to the graduate program in English. Offering a theoretical foundation in Black feminist thought alongside current literacy and educational texts related to race, gender, and sexuality, the course centers the unique contributions of Black Feminist thought and its transformative potential for classrooms, schools, and communities. Student cannot receive credit for WRIT 55173 and ENGL 80623.

**WRIT 55223 - Advanced Technical Writing (3)**

Prerequisites: ENGL 10803 and either ENGL 20803, or WRIT 20113. A course in practical communication with a concentration on topics in technical writing and information design, including oral presentations and use of visual materials and digital tools. Assignments are tailored to fit students' major fields and professional interests. Student cannot receive credit for WRIT 55223 and WRIT 30223.

**WRIT 55233 - Writing for Publication (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. A survey of the possibilities of writing for magazine publication and the construction of essays and articles for specific markets. Student cannot receive credit for WRIT 55233 and WRIT 40233.

**WRIT 55243 - Seminar in Rhetoric (3)**

A study of selected major figures and issues in the history of rhetoric. Student cannot receive credit for WRIT 55243 and ENGL 80703.

**WRIT 55253 - Rhetorical Traditions (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT 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. Student cannot receive credit for WRIT 55253 and WRIT 30253.

**WRIT 55263 - Multimedia Authoring: Animation and Film (3)**

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. Student cannot receive credit for WRIT 55263 and WRIT 40263.

**WRIT 55273 - Classical Rhetoric (3)**

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. Student cannot receive credit for WRIT 55273 and ENGL 50253.

**WRIT 55283 - Editing and Publishing (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. Introduces students to the practice of editing manuscripts intended for publication. Topics include the editorial process (both academic and commercial), the ethics of editing, and the role of the editor in publishing. Students will engage in extensive editing practice of journal and book manuscripts. Student cannot receive credit for WRIT 55283 and WRIT 40283.

**WRIT 55303 - Modern Rhetoric (3)**

Major theories of rhetoric and important rhetoricians of the twentieth century. Student cannot receive credit for WRIT 55303 and 60713.

**WRIT 55313 - Research Practices in Composition and Rhetoric (3)**

History, practices, and methodological concerns; use of archives and information systems; publishing and disciplinary conventions; assessment; fieldwork; ethics, thesis and dissertation problems and procedures. Student cannot receive credit for WRIT 55313 and ENGL 60723.

**WRIT 55353 - Introduction to Composition Studies (3)**

A survey of the major contemporary theoretical statements about composing and the teaching of composition. Student cannot receive credit for WRIT 55353 and ENGL 60703.

**WRIT 55363 - History of Rhetoric (3)**

A study of the major authors and issues in the history of rhetoric from antiquity to the present day. Student cannot receive credit for WRIT 55363 and ENGL 70703.

**WRIT 55473 - Non-Human Rhetoric and Representation (3)**

Non-Human Rhetoric and Representation challenges students to reevaluate non-human actors by interrogating a variety of theoretical, literary and filmic texts, including theory, fiction, documentary, and children's literature. Student cannot receive credit for ENGL 55473 and WRIT 30293.

**WRIT 55483 - Anti-Racist Pedagogies in Writing Studies and Rhetorical Education (3)**

Prerequisites: Admission to the graduate program in English. Drawing from scholarship that centers Black studies, critical composition/literacy studies, decolonization, queer of color critique, and feminisms of color, students will examine theories and examples of intersecting anti-racist pedagogies across multiple spaces in critical university settings. Student cannot receive credit for WRIT 55483 and ENGL 80753.

**WRIT 55493 - Digital Inclusiveness (3)**

Prerequisite: ENGL 20803. Critical examination of how digital authorship technologies impact and are changed by cultural identities, especially with inclusivity with regard to race, class, gender, sexual identity, and ability. Student cannot receive credit for WRIT 55493 and WRIT 30893.

**WRIT 55503 - Propaganda Analysis (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT course. A survey of the possibilities of writing for magazine publication and the construction of essays and articles for specific markets. Student cannot receive credit for ENGL 55503 and WRIT 40253.

**WRIT 55613 - Women's Rhetorics (3)**

This course examines the histories, theories, and practices of women's rhetorics from the classical era through the present. Students will examine primary texts of women rhetors - essays, ordinary writing such as letters and autobiographies, and speeches, to name only a few - as well as secondary sources of those texts, paying particular attention to the ways gender, race, class, religion, place, sexual orientation, and politics shape sense of audiences, methods of invention, arrangement, choices of style, form, tone, and genre. Student cannot receive credit for WRIT 55613 and ENGL 80613.

**WRIT 55623 - Women's Rhetorics (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. 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). Student cannot receive credit for WRIT 55623 and WRIT 30663.

**WRIT 55633 - Rhetorical Practices in Culture (3)**

Prerequisites: ENGL 10803, ENGL 20803, and at least one 10000- or 20000-level ENGL/WRIT/CRWT course. Appropriation of the vocabulary, taxonomies, and strategies of classical and modern rhetoric for the purposes of critical inquiry into contemporary communication and behavior. Student cannot receive credit for WRIT 55633 and WRIT 30243.

**WRIT 55733 - Writing Major Seminar (3)**

Prerequisites: Writing majors and minors only; students must have junior or senior standing and must have completed one 30000-level ENGL/WRIT/CRWT course. Introduces Writing majors and minors to a sustained, long-format research project over the course of the semester. Students will examine and practice disciplinary conventions in the context of future career possibilities and/or graduate school by also preparing a professional portfolio designed for an external audience. Student cannot receive credit for WRIT 55733 and WRIT 38063.

**WRIT 55743 - Multimedia Authoring: Mobile Apps and eBooks (3)**

Explores the complex relationship between new media, culture, and design, with particular emphasis on the production of mobile applications and eBooks publications. 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. Student cannot receive credit for WRIT 55743 and WRIT 40363.

**WRIT 55753 - Multimedia Authoring: Comics Production (3)**

Prerequisites: ENGL 20803. Explores the complex relationship between new media, culture, and design, with particular emphasis on comics and graphic narratives. Course emphasizes concepts in rhetoric, multimedia, and authorship in print and digital environments. Students design and compose a variety of multimedia projects incorporating image and text (drawn and digitally manipulated). Student cannot receive credit for WRIT 55753 and WRIT 40463.

**WRIT 55763 - Language and Theory (3)**

A study of the major authors and theories about language and its relationship to culture and technology from antiquity to the present day.

**WRIT 55773 - Writing for the Professions (3)**

A workshop for the student who wishes to learn how to write in a specific academic discipline or in a profession. Student cannot receive credit for WRIT 55773 and ENGL 60203.

**WRIT 55783 - Seminar in Literacy (3)**

Exploration of major issues in literacy history, theory, and research. Topics may vary. Student cannot receive credit for WRIT 55783 and ENGL 80713.

**WRIT 55793 - Seminar in Composition (3)****WRIT 55973 - Directed Study in Writing (3)**

Prerequisites: ENGL 10803, 20803, and at least one 10000- or 2000-level ENGL/WRIT/CRWT course. Directed Study in Writing.



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