



# **UNDERGRADUATE BULLETIN 2015–2016**



# **UNDERGRADUATE** BULLETIN

**2015–2016**



**ST. EDWARD'S<sup>®</sup>**  
UNIVERSITY

# **St. Edward's University**

3001 South Congress Avenue

Austin, TX 78704-6489

Telephone: 512-448-8400

## **Founded**

1885

## **Enrollment**

Approximately 4,900 men and women



## **Accreditation**

St. Edward's University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of St. Edward's University.

St. Edward's University's baccalaureate Social Work program is accredited by the Council on Social Work Education.

St. Edward's University does not discriminate in regard to race, color, creed, gender, age, disability or national origin in its admission, scholarship or financial assistance programs.

The university is a member of major professional organizations, including the following:

American Council on Education  
Association for Continuing Higher Education  
Association of American Colleges & Universities  
Association of Catholic Colleges & Universities  
Association of Governing Boards  
Association of Texas Colleges and Universities  
Association to Advance Collegiate Schools of Business  
College Entrance Examination Board

Council for Adult and Experiential Learning  
Council of Independent Colleges  
Hispanic Association of Colleges and Universities  
Independent Colleges and Universities of Texas  
National Association of College Admission Counselors  
National Association of Independent Colleges and Universities  
Texas Association for Colleges of Teacher Education  
University Professional and Continuing Education Association

***St. Edward's University reserves the right to alter without notice any of the regulations and the conditions stated in this Bulletin.***

# TABLE OF CONTENTS

Mission Statement.....	2
History.....	3
Admission Information .....	5
Costs and Financial Aid.....	8
Services and Activities .....	13
Special Academic Programs .....	20
Academic Regulations .....	24
Curriculum Design .....	37
Course Requirements for Majors and Minors.....	41
Course Descriptions.....	106
Administration .....	183
School Organizations .....	184
Faculty .....	185
2015–2016 Academic Calendar .....	195
Index.....	198
Campus Map .....	203

# MISSION STATEMENT

St. Edward's University is an independent Catholic university that welcomes qualified students of all ages, backgrounds and beliefs and serves a culturally diverse student body.

The university's undergraduate programs achieve a balance among the humanities, the sciences and the professions. These programs seek to make graduates competent in a chosen discipline and to help them understand and appreciate the contributions of other disciplines. Graduate and professional development programs prepare individuals to further their life goals and to take advantage of more-challenging employment opportunities.

Graduates in all programs should be prepared, through training in critical and creative thinking as well as moral reasoning, to analyze problems, propose solutions and make responsible decisions. They should be able to express themselves articulately in both oral and written form. They are encouraged to develop an understanding of the human person that is derived from reason and open to faith.

The university promotes excellence in teaching and learning in an environment that encompasses the campus classroom, student life programs and the broader community. A caring faculty and staff, recognizing that learning is a lifelong process, teach the skills needed to be independent and productive. They encourage individuals to confront the critical issues of society and to seek justice and peace. Students are helped to understand themselves, clarify their personal values and recognize their responsibility to the world community. The university gives the example of its own commitment to service.

St. Edward's was founded by the Congregation of Holy Cross, from which it acquired distinguishing characteristics: the courage to take risks, an international perspective, and the commitment to provide educational opportunities for students of varied cultural, religious, educational and economic backgrounds.

St. Edward's expresses its Catholic identity by communicating the dignity of the human person as created in the image of God, by stressing the obligation of all people to pursue a more just world and by providing opportunities for religious studies and participation in campus ministry. St. Edward's seeks to provide an environment in which freely chosen beliefs can be deepened and expressed.

# HISTORY

Located in Austin, Texas, with a network of partner universities around the world, St. Edward's University is a landmark in the state's capital city and has been part of its history for more than a century. The medallion placed on Main Building by the Texas State Historical Survey Committee in 1973 recalls the university's colorful history, which grew from a chance shipboard meeting of two early American priests.

The Very Reverend Edward Sorin, superior general of the Congregation of Holy Cross and founder of Notre Dame University, was bound for France and Italy in 1869 when he met the Reverend Claude M. Dubuis, bishop of Galveston, bound for the first Vatican Council. Bishop Dubuis offered Father Sorin's congregation two diocesan schools in Brownsville and Galveston. Three years later, when Bishop Dubuis learned of Mrs. Mary Doyle's intention to leave most of her 498-acre South Austin farm to the Catholic Church to establish an "educational institution," he invited Father Sorin to Texas.

Father Sorin came to Austin, surveyed the beauty of the surrounding hills and rivers, observed the bustling growth and potential of the fledgling frontier town and decided this would be the home for the new Catholic school. Father Sorin founded the school a year later, following Mrs. Doyle's death. Since he was a namesake of St. Edward, the Confessor and King, Father Sorin called the school St. Edward's Academy.

Three farm boys met for classes in 1878 in a makeshift building on the old Doyle homestead, almost a mile east of the present campus. By 1881, the school was boarding students and was called the "Catholic Farm" because faculty and students raised cattle, grain, vegetables and fruit on its land.

The academy expanded in 1885 when the president, Reverend Peter J. Franciscus, rapidly secured a state charter, changed the name to St. Edward's College, assembled a faculty, set forth a syllabus of studies and increased enrollment. Father Peter J. Hurth became president the following year. His era saw the first school newspaper, the organization of baseball and football teams, and approval to erect an administration building. Well-known architect Nicholas J. Clayton of Galveston designed a handsome four-story structure in Gothic Revival style to be built of Texas white limestone. The first shovel of dirt was turned on the feast day of Our Lady of Mount Carmel, July 16, 1888, and the building — a source of pride in the Holy Cross community and a grand structure for the early Southwest — was completed 10 months later. It housed classrooms, offices, a dormitory, a chapel, a library and a dining hall.

In the shadow of Main Building, the university has

wildcatted for oil, trained pilots and dug its own artesian wells.

In Spring 1903, a mysterious fire destroyed most of Main Building, except for the entrance with its massive doors, the circular walls of the back stairwell and the stone column on the northwest corner. Before the fire's embers were cool, a crew began rebuilding. By Fall 1903, Main Building was again open for classes.

Then, in 1922, flying debris hurled by a tornado again damaged Main Building. Nearby Holy Cross Hall was splintered, a gymnasium was obliterated, the school's power plant was leveled, and the natatorium — one of the few indoor swimming pools in the Southwest — was destroyed. However, students resumed classes in Main Building the next day.

In 1925, St. Edward's renewed its charter — this time as a university. Most personnel were Holy Cross Priests, who numbered 13. Four Holy Cross Brothers and five laymen were on the staff. That same year, Knute Rockne, Notre Dame's famous football coach, conducted his first coaching clinic in the Southwest at St. Edward's.

Well into the 1940s, growth was slow. The historic 1945 General Chapter of the Congregation of Holy Cross transferred St. Edward's to the newly created U.S. Brothers Province. Brother Patrick Cain was named acting president until the arrival of Brother Edmund Hunt in 1946. Brother Hunt was the first in a progression of energetic presidents, including Brothers Elmo Bransby and Raymond Fleck, who transformed the hilltop over the next 20 years, tripling enrollment, faculty and material assets.

When thousands of World War II veterans took advantage of the G.I. Bill, the university underwent instant growth. St. Edward's purchased war surplus classrooms to supplement permanent structures, hired additional faculty and staff, initiated a building program, and began the 1946 school year offering courses in business administration, arts and letters, engineering, and science.

In 1966, the Sisters of the Immaculate Heart of Mary from Monroe, Mich., were invited to the campus to staff Maryhill College for women as a coordinate institution. By 1970, Maryhill was absorbed, and St. Edward's became coeducational.

The years since have brought significant changes to the university and its campus. The vigorous growth was spurred, in part, by high-quality academic programs designed to meet the changing needs of students and of Austin's professional population. In 1972, St. Edward's established CAMP, the College Assistance Migrant Program, which helps children of migrant and seasonal workers access higher education, and a professionally oriented theater program. New College, an innovative

undergraduate program for adults, began in 1974. Freshman Studies was added in 1975.

The 1980s also were a time of advancement. In 1984, Patricia A. Hayes became president; she was the second layperson and first woman to lead the university. Enrollment passed another milestone in 1986, reaching 2,500 students. Highlights of the decade included the opening of the Recreation and Convocation Center and a renovation of Main Building.

By the 1990s, more than 3,000 students were enrolled, and technology was integrated into every aspect of campus and classroom life as computers were put into wide use.

During that decade, St. Edward's enjoyed a tenfold increase in the endowment, from \$2.5 million to \$25 million. Through The Second Century capital campaign, St. Edward's raised \$27 million, exceeding its goal by \$5 million. As a result, several building projects shaped the years leading to the 21st century. The Robert and Pearl Ragsdale Center became a hub for student activities. Student apartments were added, and a joint project with the city of Austin brought a scenic pond that offers students a place to study the ecosystem.

In Fall 1999, George E. Martin became the institution's 23rd president. He initiated efforts to attain national recognition for St. Edward's as one of America's best small universities.

The 1999–2000 school year also marked the beginning of new traditions at St. Edward's, including the annual blessing of the university seal, located in Holy Cross Plaza, on the Feast of St. Edward. The event honors the school's Catholic tradition and long association with the Congregation of Holy Cross.

Applications for admission have increased dramatically, setting new records each year since 1999. During this time, support from individuals, charitable foundations and corporations also has grown — support that nurtures the exceptional educational community at St. Edward's.

New facilities also have been added to foster excellence in academics and on-campus living. Trustee Hall, an award-winning academic building, added 15 classrooms, a 24-hour computer lab and faculty offices. Basil Moreau Hall, named in honor of the founder of the Congregation of Holy Cross, opened in Spring 2003, and Jacques Dujarié Hall, located next to Moreau Hall, opened in Fall 2005. The John Brooks Williams Natural Sciences Center—North opened in Fall 2006 — a 65,000-square-foot facility with an open “see-through science” design and state-of-the-art laboratories, instrumentation and greenhouse. The university's residential village, which opened in Spring 2009, evokes a sense of urban living in the heart of campus. The village features three residence halls and a wealth of student amenities, including a Health & Counseling Center. Also in 2009, the eco-

friendly renovation of Doyle Hall brought the addition of leading-edge psychology labs with the latest in one-way observation and biofeedback technology. New facilities opened in 2013: the second phase of the natural sciences center, featuring advanced computer and math labs, and the Munday Library, which incorporates technology and innovative design that connects students to information resources around the world.

Since 1999, St. Edward's University has increasingly gained national recognition for its high-quality academic programs, characterized by its Holy Cross educational mission. In the 2015 rankings of *U.S. News & World Report's* “America's Best Colleges,” St. Edward's moved up from number 15 to number 13 among Best Regional Universities in the West. The ranking marks the 12th time St. Edward's has made the magazine's prestigious “Best Of” list in as many years. St. Edward's has also been named among “America's Best Colleges” by *Forbes* and the Center for College Affordability and Productivity. In 2006, *The New York Times* included St. Edward's in its “Colleges of Many Colors” list as one of the most ethnically and economically diverse private universities in the country. Additionally, St. Edward's was one of only 81 schools selected by The Princeton Review and Campus Compact for inclusion in the guide *Colleges with a Conscience*.

St. Edward's is a diverse community of nearly 5,000 students that offers more than 50 undergraduate fields of study and 10 master's degree programs designed to foster critical thinking and a worldview. In recent years, St. Edward's has expanded its international education opportunities through partnerships with universities in 11 countries. While the university's campus, programs and leaders have changed or grown over time, St. Edward's has never lost sight of its mission. It will continue to transform lives by providing a personalized, global education that is academically challenging, personally fulfilling and professionally rewarding — and that prepares students to make a difference in their world.



# ADMISSION INFORMATION

## Admission Requirements

St. Edward's University offers admission without regard to race, color, creed, gender, age, disability or national origin. Students in secondary college preparatory programs, students desiring to transfer from accredited colleges and universities, and students presenting the General Educational Development (GED) degree are eligible to apply for admission.

Transcripts and records required of students for admission become a part of the student's permanent file and cannot be returned to or legally copied for the student. Applications for admission may be obtained by contacting the Office of Admission or submitted online at [www.stedwards.edu](http://www.stedwards.edu), [www.commonapp.org](http://www.commonapp.org), or [www.applytexas.org](http://www.applytexas.org).

## Dates of Entrance

Except for freshmen, all students may enter in August, January, May or July. Freshmen may enter in either August or January. The following deadlines apply:

## Application Deadlines

### *Freshman Applicants:*

- Fall Semester Priority decision — Feb. 1
- Fall Semester Regular decision — May 1
- Spring Semester — Nov. 15

### *All Other Applicants:*

- Fall Semester — July 1
- Spring Semester — Nov. 15
- Summer Sessions — May 1

## Application Procedures

### Freshman Admission (for U.S. Citizens or Permanent Residents)

Freshmen are selected for admission to the university on the basis of previous academic performance and the quality of their application materials. Specific consideration is given to high school curriculum, grade point average and the results of either the SAT or the ACT.

To be reviewed for freshman admission, all students must submit the following to the Office of Admission:

1. Completed application for admission with a \$50 nonrefundable application fee.
2. Official transcripts of all work completed to date, sent directly from the student's high school to the St. Edward's Office of Admission. Final transcripts that include all senior-year grades, the date of graduation and the official high school seal are required as soon as they are available following high school graduation.
3. The results of either the SAT or the ACT, including

the writing section. U.S. citizens enrolled in a foreign high school during their junior and senior year are exempt from this requirement.

4. A recommendation from either a school counselor or a teacher.

## Admission of Non-High School Graduates

Students who did not complete high school may submit results of the GED along with a transcript of work completed. At the discretion of the admission committee, results of the ACT or the SAT may be required.

## Transfer Admission

A transfer student is one entering St. Edward's from another institution of higher learning. A completed application for admission, a nonrefundable \$50 application fee, and official transcripts showing all work attempted at other regionally accredited colleges and universities are required. (Credits will be accepted only from the postsecondary institutions listed on the application form and for which official transcripts have been submitted.) Please note that failure to disclose enrollment at a previous institution could result in dismissal from the university. Transfer applicants with fewer than 30 hours of college credit must submit an official high school transcript. The results of the SAT or ACT should also be submitted for students who have not completed both English Composition I and II from a U.S.-accredited institution of higher learning. The following policies apply to the transfer student:

1. Admission to the university is based on the transfer applicant's previous academic record. In addition, the applicant must be in good standing at the previous institution attended and must have a minimum cumulative grade point average of 2.5 for all college-level work attempted.
2. Credit is normally allowed for work taken at other accredited institutions. Credit is transferred only for work in which a grade of C- or better has been earned and only for courses that have been approved by the academic administration. A grade of CR (Credit) is posted for accepted transfer work, and this work is not included in the St. Edward's GPA. A final evaluation of credit earned at other institutions will be made only after the student has been enrolled.
3. No more than 66 hours of junior college or community college credit or 90 hours from a four-year institution will apply toward a degree at St. Edward's. No more than a total of 90 hours may be transferred to St. Edward's.



- 
4. A student must complete all university, major and supportive requirements for a degree at St. Edward's. (See Academic Regulations, starting on page 24.)

## Readmission of Former Students

Any former St. Edward's student who has not been enrolled in classes at St. Edward's for a full fall or spring semester must reapply for admission by the application deadline. If a student has attended any other institution(s) of higher learning during that absence, official transcripts of that work must be submitted to the Office of Admission. Students dismissed academically from St. Edward's must also appeal to the associate vice president for Academic Affairs for reinstatement. Degree candidates who are not enrolled for more than 36 months are bound by the *Bulletin* in effect when they reenter.

### *Fresh Start Policy for Returning Students*

Returning undergraduates whose previous St. Edward's academic coursework is at least 10 years old have the option to petition for a "Fresh Start" once they are re-admitted to St. Edward's. When approved, Fresh Start will calculate the cumulative GPA on the post readmittance grades earned.

After readmission, students who meet the Fresh Start criteria can request the Fresh Start application from the appropriate school dean, who determines eligibility. The conditions for approval of the Fresh Start option are as follows:

1. The previous work needs to have been completed at least 10 years prior to applying for the Fresh Start admittance.
2. The Fresh Start option is only available to students who had previously attended St. Edward's University and who are seeking to have only the GPA earned from coursework following readmittance computed into their overall GPA.
3. Courses completed prior to the readmission date remain on the transcript, even though they are not included in the GPA calculation.
4. If the Fresh Start option is granted, the effective date will be entered on the student's transcript. The student must then complete their first 12 academic hours with a 2.5 GPA or better or lose their Fresh Start status.
5. The same criteria used for accepting transfer courses would also apply to Fresh Start readmitted students (see p. 33). Coursework earned during the previous enrollment with grades of C- or higher may be counted toward the degree with the approval of the school dean of the student's major (see p. 24).
6. The Fresh Start option can only be granted one time.

## International Students

St. Edward's encourages applications from students who are not U.S. citizens or U.S. permanent residents. U.S. citizens enrolled at an institution outside of the United States must complete the traditional freshman application. An application can be obtained online at [www.stedwards.edu](http://www.stedwards.edu), [www.commonapp.org](http://www.commonapp.org), or [www.applytexas.org](http://www.applytexas.org).

To prevent delays in the term in which they may enter, applicants should make every effort to send all application materials well before the application deadlines. There are two major terms of entrance: fall semester (beginning in late August) and spring semester (beginning in mid-January).

The following requirements must be submitted by international applicants to the university:

1. Completed international student application with a \$50 nonrefundable fee.
2. Certified copies or original transcripts of all relevant school records (including diplomas and certificates). If the original transcript is not in English, an official English translation must accompany the original transcript or certified copy.
3. For nonnative English speakers, test results from one of the following with a minimum required score of:

TOEFL	61 (iBT); 500 (pBT)
IELTS	5.0
SAT	500 (Critical Reading section)
ACT	21 (Reading and English sections)
AP Exam	3 (English Language or English Literature)
IB Exam	5 (English Higher Level)

It is recommended that these tests be taken at least two months before the posted deadline.

4. Certified statement of financial support from the student's sponsor and a certified letter from the sponsor's bank demonstrating the ability to meet all financial obligations.
5. International freshman applicants are eligible for merit scholarships and must submit an SAT or ACT score for consideration. St. Edward's offers a limited number of need-based scholarships to international, first-time freshman applicants.

## Postbaccalaureate Students

Students who have completed a bachelor's degree but wish to continue undergraduate study at St. Edward's will need to complete an admission application for postbaccalaureate students. Official transcripts from every postsecondary institution attended must be submitted as part of the application. Students who wish to complete a second bachelor's degree at St. Edward's can refer to the sections in this *Bulletin* entitled General Requirements for a Major and General Requirements for a Minor on pages 32-33.

---

## Temporary Students

Students enrolled in other colleges may take courses at St. Edward's in any semester provided the students are in good standing at the college where they are regularly enrolled. A formal application and a \$50 application fee are required, along with either a letter of good standing from the dean or registrar of the other college or an official transcript.

## For Further Information

Call the Office of Admission toll free at 800-555-0164 or locally at 512-448-8500, fax to 512-464-8877, or visit [www.stedwards.edu](http://www.stedwards.edu).

Email: [seu.admit@stedwards.edu](mailto:seu.admit@stedwards.edu)

Or write: Office of Admission

St. Edward's University  
3001 South Congress Avenue  
Austin, TX 78704-6489

## Graduate Programs

A separate bulletin is available for persons interested in applying for graduate study. St. Edward's offers seven graduate programs: the Master of Accounting (MACT), Master of Arts in Counseling (MAC), the Master of Arts in College Student Development (MACSD), the Master of Business Administration (MBA), the Master of Liberal Arts (MLA), the Master of Science in Leadership and Change (MSLC) and the Professional Science Master's in Environmental Management and Sustainability (MEMS). For information about these programs, call 512-448-8500.

## Meningitis Vaccination Requirement

In accordance with Texas State Law SB 1107, all entering or returning students under the age of 22 as of the university's first day of class for a particular semester must

be immunized against bacterial meningitis. Returning students are those students who have not been enrolled at the university during the previous long semester (Fall or Spring). The vaccine or a booster **must** have been received no earlier than five years and no later than 10 days prior to the first day of class. Students will not be allowed to register for classes until this vaccination requirement is fulfilled.

Prior to registering for classes, you must submit proof of the vaccination, documentation from a doctor if you cannot take the vaccine for medical reasons OR a notarized affidavit of conscientious objection to:

Mailing Address: Health & Counseling Center  
St. Edward's University  
3001 South Congress Avenue  
Austin, Texas 78704-6489

Fax: 512-464-8842

Phone: 512-448-8686

Email: [sirritta@stedwards.edu](mailto:sirritta@stedwards.edu)

A student has a right to claim an exemption from the vaccination requirement for reasons of being a conscientious objector or for medical necessity. Specific documentation for these exemption claims is required. Please consult the Health & Counseling Center webpage for more information. Students only taking online or distance education courses are also exempt from this requirement.

Bacterial meningitis is serious and can progress extremely quickly. It is important that you consult your physician about the need for immunization to prevent the disease.

For more information about meningitis, where to get a vaccine and the timeline for submitting documentation, visit [think.stedwards.edu/healthcounseling](http://think.stedwards.edu/healthcounseling) and click on the meningitis link on the left side, or contact the Health & Counseling Center at 512-448-8686.

## COSTS AND FINANCIAL AID

### Costs (2015–2016 Academic Year)

#### Undergraduate Tuition (per semester)

Full-time (12–18 hours) .....	\$19,160
Fewer than 12 hours or more than 18 hours (per semester hour) .....	\$1,278

**Application Fee**..... \$50

**Audit Fee** (per course)..... \$130

*(Students wishing to audit must provide the Student Financial Services Office with an audit form completed according to university procedures. The audit fee is nonrefundable.)*

**Challenge Exam Fee** (per hour) ..... \$426

#### International Student Fee (per semester)

1–6 hours.....	\$0
7–11 hours.....	\$10
12 or more hours.....	\$40

**Orientation Fee** ..... \$250

*(applies to first-time undergraduates)*

**Annual Parking Fee**, prorated after fall ..... \$240

#### Technology Fee (per semester)

Full-time students .....	\$200
Part-time students .....	\$50

**Enrollment Deposit**..... \$150

*(The enrollment deposit is nonrefundable and is required after acceptance. It is applied toward first-semester tuition for students living off campus or toward the residence hall deposit.)*

**Apartment Deposit**..... \$300

### Room and Board (per semester)

#### Resident Meal Plans

Students living on campus must purchase a meal plan each semester. The purchase of a meal plan is a board payment and is used to support the campus dining service.

Any unused balance of a student's meal plan will roll over from the fall to the spring semester. On June 30 every year, student meal plan account balances will be reduced to \$0.00. As of that date any meal plan dollars remaining from the fall or spring semester will be forfeited.

All freshmen living in a residence hall must choose between:

Plan	Meal Plan 1	Topper Tender	Total Cost
A: High (17–19*)	\$2,210	\$310	\$2,520
B: Medium (14–16*)	\$1,765	\$225	\$1,990

Other students may opt for any of these four plans:

Plan	Meal Plan 1	Topper Tender	Total Cost
A: High (17–19*)	\$2,210	\$310	\$2,520
B: Medium (14–16*)	\$1,765	\$225	\$1,990
C: Low (8–10*)	\$1,215	\$150	\$1,365
D: Ultra-Low (4–6*)	\$665	\$85	\$750

\*Approximate number of meals per week

### Commuter and Apartment Dining Plans

Full-time commuter students and students living on campus in the apartments must have a \$115 food and beverage account each semester. The purchase of an account is a board payment and is used to support the campus dining service. These students may choose to purchase a higher level of meal plan.

Any unused balance of a student's meal plan will roll over from the fall to the spring semester. On June 30 every year, student meal plan account balances will be reduced to \$0.00. As of that date any meal plan dollars remaining from the fall or spring semester will be forfeited.

#### Residence Hall Rooms (estimated)

Residence Hall:	Private*	Semiprivate (Double)	Suite (Quad)	Casitas
East	\$3,730	\$2,415	N/A	N/A
Teresa	N/A	N/A	\$3,090	N/A
Basil Moreau	\$4,355	\$3,670	\$3,480	\$3,980
Dujarié	N/A	\$3,670	\$3,480	\$3,980
Edmund Hunt	\$4,355	N/A	\$3,480	N/A
Le Mans	\$4,355	N/A	\$3,480	N/A
Lady Bird Johnson	\$3,960	N/A	N/A	N/A
Casa	\$3,980	\$3,605	N/A	N/A

\*Freshmen are not eligible for private rooms.

### On-Campus Apartments

The university offers on-campus apartment living for upperclassmen and transfer students. A variety of different floor plans are available, and depending upon the number of occupants (up to four in the larger units), students can pay as little as \$3,250 per semester.

For more information regarding pricing plans, leasing terms or available floor plans, please see [think.stedwards.edu/studentfinancialservices/costs](http://think.stedwards.edu/studentfinancialservices/costs).

### Student Health Insurance

All students are required to carry health insurance while attending St. Edward's. Students who are not currently covered may purchase a policy through the university. Final premiums are pending for 2015-2016; contact the Health & Counseling Center for a quote. Students who have their own health insurance coverage are responsible for declining these charges through their myHilltop account.

Additional information about student health insurance can be found in the Health & Counseling Center section of this *Bulletin*.



## Materials and Laboratory Fees

### Accounting

3335	Data Storage Systems	\$40
3337	Database Theory and Applications	\$40
4157	Research	\$40

### Art

1318	Clay I	\$80
3326	Sculpture I	\$40
3329	Printmaking: Intaglio	\$40
3334	Printmaking: Relief	\$40
3338	Clay II	\$80
4344	Advanced Clay Projects	\$80
4345	Advanced Printmaking Projects	\$40

### Bioinformatics

3145	Advanced Topics	\$40
3411	Genomics	\$40
4157	Bioinformatics Research	\$40

### Biology

1107	Cells and Organ Systems Lab	\$60
1108	Genes, Organisms and Populations Lab	\$60
2103	Human Anatomy Lab	\$80
2401	Anatomy and Physiology I	\$80
2402	Anatomy and Physiology II	\$80
2420	Entomology	\$80
2124	Plant Biology Lab	\$80
2428	Vertebrate Biology	\$80
2135	Physiology Lab	\$80
3433	Comparative Vertebrate Anatomy	\$80
3139	Microbiology Lab	\$80
3145–3445	Advanced Topics in Biology (if includes laboratory)	\$80
4437	Cell Biology	\$80
4142	Population Biology and Ecology Lab	\$80
4157	Research	\$45

### Chemistry

1140	General Chemistry Laboratory	\$60
2120	Analytical Chemistry Laboratory	\$60
2123	Organic Chemistry I Laboratory	\$60
3125	Organic Chemistry II Laboratory	\$80
3242	Chemical Instrumentation Laboratory	\$80
4242	Advanced Synthesis and Structural Determination Laboratory	\$80
4245	Biochemistry Laboratory	\$80
4146–4446	Independent Study (if includes a laboratory)	\$80
4157	Research	\$45

### Communication

3360	Creative Strategies in Advertising	\$65
------	------------------------------------	------

## Computer Science

1313	Fundamentals of Computer Sciences	\$40
1318	Quantitative Applications Software for PCs	\$40
1123	Computing Sciences Concepts I Lab	\$40
2125	Computing Sciences Concepts II Lab	\$40
2331	Introduction to Computer Organization	\$40
3312	Artificial Intelligence Programming Topics	\$40
3314	Object-Oriented Design	\$40
3315	Systems Administration and Integration	\$40
3325	Topics in Applied Programming	\$40
3327	Algorithms and Data Structures	\$40
3332	Computer Architecture and Organization	\$40
3335	Data Storage Systems	\$40
3336	Programming Languages	\$40
3337	Database Theory and Applications	\$40
3338	Numerical and Scientific Methods	\$40
3339	Software Engineering with Systems Analysis	\$40
3341	Optimization Techniques	\$40
3344	Computer Networks	\$40
4331	Computer Graphics	\$40
4333	Operating Systems	\$40
4334	Modeling and Simulation	\$40
4342	Compiler Theory and Automata	\$40
4344	Advanced Topics	\$40
4157	Research	\$40

### Cooperative Education

4010	Cooperative Education	\$45
------	-----------------------	------

### Forensic Science

3320	Crime Scene Investigation I	\$50
3321	Crime Scene Investigation II	\$50
3332	Crime Scene Photography	\$50
4342	Fundamentals of DNA Profiling	\$40

### Graphic Design

1314	Typography I	\$65
2313	Graphic Design I	\$65
2321	Image Methodology	\$65
2331	Graphic Design II	\$65
3304	Advanced Issues in Typography	\$65
3315	Graphic Design III	\$65
3335	Interaction Design	\$65
3343	Junior Studio	\$65
4316	Topics in Graphic Design	\$65
4333	Senior Studio	\$65

### History

3300	Oral Communication	\$45
------	--------------------	------

---

## Journalism

2328	Broadcast Journalism	\$65
3320	Advanced Broadcast Journalism	\$65
3324	Sports Journalism for Broadcast	\$65

## Kinesiology

1320	Safety and First Aid	\$25
2323	Lifeguard Training	\$50
2326	Water Safety Instructor Training	\$50
2335	Prevention and Treatment of Athletic Injuries	\$25

## Mathematics

3338	Numerical and Scientific Methods	\$40
3341	Optimization Techniques	\$40
4334	Modeling and Simulation	\$40

## Music

1161	Chamber Music Ensemble	\$60
1281	Piano Class I	\$60
1282	Piano Class II	\$60
1283	Fundamentals of Singing	\$60
2143	Applied Voice	\$150
2153	Applied Instrument	\$150
2170	Applied Guitar	\$150
2272	Guitar Techniques	\$60
2180	Applied Piano	\$150
2284	Piano Class III	\$60
4243	Applied Voice	\$300
4144	Vocal Jazz Ensemble	\$60
4254	Applied Instrument	\$300
4273	Applied Guitar	\$300
4285	Applied Piano	\$300

## Photocommunications

1318	Photography I	\$65
1319	Photography II	\$65
2320	Digital Imaging I	\$65
2323	Photography in the Humanities	\$65
2325	Intermediate Digital Imaging	\$65
3322	Styles and Themes	\$65
3329	Digital Color	\$65
3331	Video Production	\$65
3334	Large Camera	\$65
3335	Studio	\$65
3339	Multimedia	\$65
3340	Digital Imaging II	\$65
3345	Digital Darkroom	\$65
4343	Senior Seminar	\$65
4344	Senior Seminar II	\$65

## Physics

2125	Mechanics and Waves Laboratory	\$60
2126	Electricity, Magnetism and Optics Lab	\$60

## Science

2320	Science in Perspective	\$25
------	------------------------	------

## Theater

1330	Theater Skills I: Stagecraft and Lighting	\$65
1331	Theater Skills II: Costume and Makeup	\$65
3323	Stage Lighting	\$65
3324	Scene Design	\$65
3325	Costume Design	\$65
3337	Directing	\$65
4301	Portfolio Development and Rendering	\$65
4341	Performance IV	\$65
4342	Scenic Projects	\$65
4343	Lighting Projects	\$65
4344	Costume Projects	\$65
4145–4345	Special Projects	\$65

## Student Financial Responsibilities

Students must make financial arrangements with Student Financial Services each semester for their educational expenses. St. Edward's reserves the right to withdraw from coursework students who fail to make or keep financial arrangements for their educational expenses. Additionally, students who owe a current or past-due balance to the university may be barred from registration. Unpaid balances owed to the university will be subject to assignment to a collection agency (see Past-Due Accounts, page 11).

## Payment Options

Tuition and fees may be paid with MasterCard, Visa, Novus/Discover or American Express (credit card payments are subject to an additional processing fee). Personal checks, cashier's checks, traveler's checks and money orders are also accepted.

Students have the following options for payment of tuition and fees:

1. Payment in full at the time of registration.
2. St. Edward's University offers families the Monthly Arrangement Payment Plan (MAPP). All or part of the semester's expenses may be paid in equal monthly payments. A nominal participation fee is charged each semester.
3. At a student's request, St. Edward's will bill employers or other entities (such as the Texas Tomorrow Funds or trust funds) that pay for all or part of a student's tuition cost (this does not include family members who pay tuition costs on behalf of a student). Students who take advantage of this plan must submit documentation of their third party's intent to pay before the start of each semester.

## Late Payment Penalties

Tuition and fees are due by August 1 for the fall, December 1 for the spring and May 1 for the summer semesters. To meet these payment deadlines, students must either pay in full or enroll in the university's monthly payment plan. Any charges incurred after these payment deadlines are due within two weeks. After September 15 for fall, February 1 for spring, and June 15 for the summer, students with past due balances greater than \$500 will be assessed a late payment fee of \$75. Students participating in the Monthly Arrangement Payment Plan with a past due payment greater than \$500 will be assessed a late payment plan fee of \$25. This late fee will be assessed 15 days after each late scheduled payment. Late fees apply even if a student intends to apply for financial aid to cover the past due balance.

### Exceptions

Late fees will not be assessed under the following circumstances:

- The student has pending financial aid, such as an outside scholarship or an approved student or parent loan that covers the balance in full. *Aid that cannot be disbursed due to incomplete paperwork will not be considered as pending financial aid.*
- The student has a pending third-party authorization on their account (indicated by some type of Third Party Authorization Form) covering the balance. Students with third-party sponsorships are required to turn in all documentation by the payment deadline. Without proper paperwork, St. Edward's University cannot invoice a third-party sponsor. Students that do not have all the sponsorship documentation turned in by the 12th class day will be assessed a late payment fee.
- The student is a Veteran's Assistance recipient, has turned in the proper tuition assistance form to the university, and has paid the remaining balance due, if any. Veteran's Assistance documentation is required by the payment deadline.

## Past-Due Accounts

Any balance owed to St. Edward's after a semester is complete is considered past due and subject to assignment to an outside collector. This involves an additional cost to the student, who may also face litigation and have to pay any attorney's fees and court costs. At the university's discretion, students who have a past-due balance may be barred from registration.

## University Refund Policies

Tuition refunds for traditional undergraduates:

### FALL SEMESTER 2015:

1st week	8/24/15–8/30/15	100% refund
2nd week	8/31/15–9/6/15	75% refund
3rd week	9/7/15–9/13/15	50% refund
4th week	9/14/15–9/20/15	25% refund

### SPRING SEMESTER 2016:

1st week	1/11/16–1/17/16	100% refund
2nd week	1/18/16–1/24/16	75% refund
3rd week	1/25/16–1/31/16	50% refund
4th week	2/1/16–2/7/16	25% refund

### SUMMER TERMS 2016:

#### 12 Week

1st week	5/16/16–5/22/16	100% refund
2nd week	5/23/16–5/29/16	75% refund
3rd week	5/30/16–6/5/16	25% refund

#### Summer I

5/16/16–5/18/16	100% refund
5/19/16–5/22/16	25% refund

#### Summer II

7/5/16–7/7/16	100% refund
7/8/16–7/11/16	25% refund

Also see the Student Financial Services section of [think.stedwards.edu](http://think.stedwards.edu).

## Consequences of Dropping Coursework

Students who receive financial aid and do not register for the number of hours their financial aid is based upon or drop below that number before the end of the semester may have their financial aid offer revised. This revision may include the revocation of any and all grant funds and the return of student loan funds to the lender. Additionally, such students may lose future eligibility for financial assistance depending on the number of classes they drop.

International students on certain visa types (F-1, J-1) are required by U.S. Citizenship and Immigration Services to take a full course load. Dropping below a full course load may result in a violation of the student's immigration status. Students should talk with an advisor in the Office of International Education before dropping a class.

## Consequences of Withdrawing from Short Courses (Modules)

Students who do not successfully complete all short courses (modules) for which they were registered on the first day of the semester (i.e., summer, fall, spring) may be considered "withdrawn" for the purposes of determining eligibility for "earned" financial aid (as discussed in Consequences of Completely Withdrawing from the University, p. 12). The university may be required to return "unearned" financial aid to the appropriate aid



---

program, and this may result in the student owing a balance to the university.

Students who withdraw from modules that meet during the first session of the semester will be required to confirm their enrollment in any second session courses they wish to complete. If the student does not confirm enrollment in second session courses, the university is required to assume the student has withdrawn from all courses and must return any “unearned” aid.

## Consequences of Completely Withdrawing from the University

According to institutional policy as well as state and federal regulations, if a student who receives financial assistance completely withdraws from the university:

1. Student Financial Services will calculate the amount of that student’s assistance that must be returned to the original funding sources by comparing the amount of assistance “earned” through attending classes with the amount “unearned” because the student withdrew from school before the end of the term. Depending on the withdrawal date, a student may lose all (or a significant portion) of his or her financial assistance.
2. If a student withdraws outside of a tuition refund period, that student may also end up owing the institution a significant amount of money, especially if the financial assistance, which was paid toward the tuition cost, is returned back to the original funding sources. If or when such a balance occurs, payment in full for the debt will be due to the university immediately. Additionally, St. Edward’s University will withhold that student’s academic transcript and/or diploma until the debt has been paid. If the university is not paid, the debt will be turned over to a collection agency that will add a collection fee to the already existing debt.

Students who borrowed through the Perkins, Stafford, and/or Federal Direct Student Loan programs while attending the university must also complete the appropriate Exit Loan Counseling session, as required by federal law, before their transcript and/or diploma will be released.

3. Finally, if a student completely withdraws during a semester, he or she will lose future eligibility for financial assistance through St. Edward’s University (with the possible exception of withdrawal due to extreme mitigating circumstances).

## Room/Board Refunds for Traditional Undergraduates

The university will use the traditional undergraduate refund dates and apply those percentages to the *unused* value of housing and meal plans.

## Issuing Refunds to Students

After all tuition, fees and other charges are paid, students with excess funds in their student accounts are issued a refund. The university offers two options to receive the credit balance: Students can choose to have their refund credited to their bank account or to have their credit applied to a university-issued stored-value card. Students must log on to their university myHilltop account to select one of these two options.

## Scholarships and Financial Aid

The university offers a variety of programs to help students meet the cost of college. Information on these programs, along with the application procedures, may be found in brochures provided by the Office of Student Financial Services. Competitive academic and service scholarships are available to all continuing students. Visit [www.stedwards.edu/stufinan](http://www.stedwards.edu/stufinan), or contact:

Office of Student Financial Services  
St. Edward’s University  
3001 South Congress Avenue  
Austin, TX 78704

## Satisfactory Academic Progress Requirements for Aid Recipients

In order to maintain eligibility for financial aid, undergraduate students must annually:

- maintain at least a 2.0 cumulative grade point average
- successfully complete at least 75% of attempted coursework (withdrawing from or failing a course is not considered successful completion)
- earn at least 24 credit hours per academic year if attending full-time

Students who fail to meet these standards by the end of the academic year (defined as summer, fall, and spring) will lose their eligibility for financial assistance, although they will be provided an opportunity to appeal.

St. Edward’s University offers eligible freshmen up to four years and eligible transfers up to three years of university and state funding. In addition, the university does not offer financial assistance to students who have earned over 180 credit hours (this includes all scholarships, grants, and tuition assistance).

## SERVICES AND ACTIVITIES

### Student Support Services

#### Academic Counseling and Exploration (ACE)

##### *Academic Advising*

Utilizing a fully student-centered approach to student development, academic counselors in Academic Counseling and Exploration (ACE) facilitate the intellectual and personal development of freshmen, undeclared students, new transfer students, and any undergraduate students interested in optimizing their educational experiences and achieving their dreams, goals, and potentials. To enhance academic performance and support progress toward graduation and successful career entry, ACE counselors assist students with

- choosing, clarifying, planning and achieving their educational, career, and life goals;
- systematically and comprehensively identifying strengths and weaknesses that might help or hinder progress towards those goals;
- developing customized semester schedules and personalized comprehensive degree plans and monitoring academic progress towards completion of these schedules and plans;
- devising and sharpening learning strategies or life management skills;
- creating marketing tools such as resumes and professional network accounts;
- assuming responsibility for current information about university degree requirements, including General Education, academic policies, practices, programs and support services.

ACE also offers two one-hour courses: APSC 1110, Effective College Learning, and FYSM 1100, the First Year Seminar in the Major. APSC 1110 is designed to enhance students' success in college studies through the development of effective academic and self-management skills. FYMS 1100 is designed to help first-year students become aware of all resources and tools at their disposal in order to ease their transition from high school to college. Multiple sections are offered on a variety of topics: major and career selection, degree planning, mindfulness training, and more.

#### Academic Support Programs

Academic Support Programs (ASP) offers a wide range of services for students, including one-on-one peer tutoring, supplemental instruction, academic coaching, and exams for class credit. The ASP assists in developing students' skills and knowledge to achieve both academic success and personal satisfaction. Our services help students set, clarify and achieve their academic goals; plan and organize

their work; and understand course materials, professors' expectations and their academic progress. Students can schedule appointments in advance by phone or walk-in. The ASP is located in Moody Hall 118 and can be contacted at 512-637-1996 or at [ASP@stedwards.edu](mailto:ASP@stedwards.edu).

#### Campus Ministry

St. Edward's is an independent Catholic university that is grounded in the Holy Cross tradition and embraces the religious diversity of our campus community. Campus Ministry provides opportunities for all students to explore and strengthen their personal understanding of faith in this context. Programs and events encourage reflection on faith development and the role of faith in a student's social and academic life. Opportunities for retreats, prayer, and scripture study foster an understanding of the practice of faith within the community. Catholic faith formation is available to undergraduate students who desire to prepare for the sacraments. Pastoral counseling and spiritual direction are available to all students. Eucharist is celebrated daily on campus. Reconciliation and other sacramental celebrations are provided year-round. Students are encouraged to assume leadership roles within the spiritual life of the university, creating opportunities of fellowship, worship and service. Students are encouraged to engage in local service through the Office of Community Engagement or explore domestic and international service opportunities through the Service Break Experience (SBE) program. Social outreach activities are combined with theological reflection to help students understand social conditions guided by the teachings of the Catholic Church on issues of social justice. The religious diversity of the campus is promoted through groups such as the Hillel Toppers, the Muslim Student Association and the Fellowship of Christian Athletes.

Campus Ministry works as a team of priests, religious, lay professionals and students who provide multiple opportunities for prayer, faith development and service. Questions and inquiries can be directed to Campus Ministry by calling 512-448-8499 or emailing the office at [cmin@stedwards.edu](mailto:cmin@stedwards.edu).

#### Career and Professional Development

The Office of Career and Professional Development is the primary campus resource for students and alumni seeking career direction and guidance. The office has a professional staff available to help students with setting career goals, making decisions about majors and careers, learning effective job search strategies, securing internships, and planning for graduate and professional school. Services offered include individual counseling,

job and internship connections, career workshops, presentations to classes and student groups, and web-based resources. Career and Professional Development houses an extensive collection of career and employment resources. The web page [think.stedwards.edu/career/](http://think.stedwards.edu/career/) is a rich source of career information for students.

Career and Professional Development staff develops relationships with employers to provide job and internship opportunities and on-campus recruiting. The office hosts a fall Graduate School Fair, a Job and Internship Fair each semester as well as several industry/career field specific events throughout the year. All students and alumni also have access to “Hilltop Careers,” an online career resource portal to which they may upload career documents, search and apply for jobs and internships, sign up for career events, and receive notices of employer recruiting.

Career and Professional Development offers a one-hour, for-credit course that guides students through the career development process. Multiple sections are offered in the fall and spring semesters on various topics, including the job and internship search process for students employed part-time, identifying and researching career options, graduate school planning and preparation, and graduate admission test preparation. Sections are offered in a traditional, group classroom setting, independent study and online.

For more information, visit the Career and Professional Development Office, Moody Hall 134, or call 512-448-8530.

## College Assistance Migrant Program

St. Edward's University is one of 40 colleges and universities currently hosting a College Assistance Migrant Program in the United States. Through CAMP and its university sponsorship, higher-education opportunities are now a reality for many migrant/seasonal farmworker students who might never have had this opportunity. The purpose of CAMP is to provide migrant/seasonal farmworkers who have completed high school requirements an opportunity to work toward a four-year baccalaureate degree. This program offers the eligible student financial, academic and other supportive assistance necessary for successful completion of the first two semesters of college. Additional information may be obtained by calling 512-448-8625.

## Disability Services

Students with disabilities should meet with a disability counselor in Student Disability Services to discuss their special needs. Accommodations are determined and provided on the basis of a qualifying process that includes review of documentation. St. Edward's University does not discriminate on the basis of disability in the admission of students or in the operation of its programs and activities. For more

information, call Student Disability Services at 512-448-8561, visit it in Moody Hall 155, or visit it on the web at [think.stedwards.edu/disabilityservices](http://think.stedwards.edu/disabilityservices).

## Health & Counseling Center

Location: Lady Bird Johnson Hall, First Floor

Office Hours:

Monday–Thursday: 8 a.m.–6 p.m.

Friday: 8 a.m.–5 p.m.

Phone: Health Services 512-448-8686

Counseling Services 512-448-8538

The Health & Counseling Center is a safe and confidential setting where students can find assistance to cope with the physical and emotional demands of school, relationships and life. Call or come by the office to schedule an appointment.

The center includes three service units:

- Health services
- Counseling services
- Wellness and outreach services

Health & Counseling Center records are medical records and are kept confidential in accordance with federal and state laws as well as with ethical principles and standards established by Texas state licensing agencies. Medical records are entirely separate from students' educational records maintained by the Office of the Registrar.

## Health Services

Health Services is staffed by nurse practitioners, registered nurses and a medical assistant. Services are provided to current St. Edward's University students **by appointment**. After-hours phone consultation for urgent medical problems is available by calling 512-892-7076. Students with an emergency medical condition are advised to call 911 or to go to the nearest emergency room.

Free services include treatment of minor acute illnesses and injuries, prescriptions for medication when appropriate, some immunizations, health information/education, referrals to specialists, general physical exams, and well-woman exams. Lab tests, some immunizations and some medical procedures are not free but are provided at a low cost.

**Health insurance:** All students enrolled for six or more credit hours are required to have an insurance plan that provides coverage in the Austin area. The St. Edward's University Student Health Insurance Plan (SHIP) is administered by Academic HealthPlans. Enrollment in the SHIP or submission of an insurance waiver is done each semester during registration for courses. For more information regarding the policy and the Patient Protection and Affordable Care Act (PPACA), please access [www.ahpcare.com/stedwards](http://www.ahpcare.com/stedwards) or contact Academic HealthPlans at (855) AHP-CARE or (855) 247-2273.

*Detailed information about Health Services is available at [think.stedwards.edu/healthcounseling/](http://think.stedwards.edu/healthcounseling/).*



---

## **Counseling Services**

Counseling Services is staffed with licensed and staff psychologists, as well as doctoral-level graduate students in Psychology. Counseling for individuals and couples is available to current St. Edward's students. Many students also schedule consultation sessions to help clarify concerns, make decisions or talk over situations. Services are provided **by appointment**. **Crisis consultation** by phone is available after hours by calling the University Police Department at 512-448-8444 and requesting to speak to a staff psychologist.

Counseling staff support students in creating a balanced life, developing fulfilling relationships, embracing change and discovering a clearer sense of self. The providers utilize a brief psychotherapy model that focuses on each student's strengths as a way of formulating solutions to the problems encountered in life. The Health & Counseling Center also provides group therapy.

*Additional information about Counseling Services is available at [think.stedwards.edu/healthcounseling/counselingservices](http://think.stedwards.edu/healthcounseling/counselingservices).*

## **Wellness and Outreach Services**

Wellness and Outreach Services provides educational resources, prevention programs and early interventions that positively affect students' well-being. Programming about healthy choices, alcohol and other drugs, suicide prevention, stress management, and physical/mental health is intended to empower students to make informed, positive lifestyle choices; take responsibility for self-care; and promote personal adjustment and growth.

In addition, the Health & Counseling Center offers basic wellness workshops to student groups on campus. These workshops are interactive and provide students with familiarity with the nine-dimensional model of wellness and information on how to make positive lifestyle choices.

These outreach services, programs and special events are delivered by Health & Counseling Center staff members and the Hilltopper Peer Health Education team. Health & Counseling Center staff often work jointly with other departments, such as Student Life, Residence Life and the Dean of Students, to provide a variety of co-curricular opportunities for learning and personal development.

*Additional information, including links to Student Health 101 online magazine and other self-help resources, is available at [think.stedwards.edu/healthcounseling/wellnessoutreachservices](http://think.stedwards.edu/healthcounseling/wellnessoutreachservices).*

## **International Student Services**

The Office of International Education (OIE) provides advising services to international students. The OIE conducts new international student orientations to help ease students' transitions to the United States and to introduce them to various resources that support their academic and social success on campus. The OIE advises international

students on educational, immigration, employment, financial, social and personal concerns. The OIE acts as a liaison between students, schools and departments of the university, agencies of the U.S. government, foreign governments, and private organizations.

## **Employment and Internships for International Students**

International students interested in working or completing internships on or off campus, regardless of whether the experience is paid or unpaid, should contact the OIE to explore their employment eligibility before they begin working or interning.

For more information, call 512-428-1051, or visit the Office of International Education in Moody Hall 102.

## **Orientation for New Students**

The New Undergraduate Student Orientation Program is designed to introduce new students to the unique educational experience at St. Edward's University. Orientation at St. Edward's University is a process made up of intentional programming that integrates students into a new cultural, intellectual and social climate that is grounded in Holy Cross tradition. Undergraduate orientation is a deliberate, collaborative institutional process through which topics are addressed and relationships are fostered in an effort to transition new students into the campus community. The New Undergraduate Student Orientation Program consists of three tracks, including freshman orientation, transfer orientation and parent orientation.

Freshmen entering in the fall semester may choose from six orientation sessions throughout the summer. Students entering in the spring semester will attend a January orientation session. New Undergraduate Student Orientation includes an introduction to the St. Edward's curriculum, student services and university activities. Events planned during orientation provide opportunities to meet other new students, as well as faculty, staff, student leaders and administrators. In addition, some academic placement testing is provided so that students may choose courses appropriate to their proficiencies. For more information, contact the New Undergraduate Student Orientation Office at 512-448-8584.

## **Residence Halls and Apartments**

St. Edward's University has eight co-ed residence halls available to students: Teresa, East, Basil Moreau, Jacques Dujarić, Edmund Hunt, Le Mans, Lady Bird Johnson Halls and the Casa. Female students have the option of choosing an all-female wing in East Hall. Semiprivate (double) room accommodations are available in all halls. Private rooms are available to upperclassmen in the Casa, the Casitas, Basil Moreau, Hunt, LeMans and Johnson Halls. All halls are air-conditioned and have suite-style baths and restroom facilities, lounge areas, laundry and

---

vending services, study rooms, and computer rooms. East Hall offers community baths. All rooms are equipped with extra-long twin beds, desks, closets, dressers, sinks, cable and Internet access. Each hall is staffed with a residence director and resident assistants who live in the building and are dedicated to addressing students' needs.

All campus residents are required to have a meal plan, which operates on a declining-balance system and can be used in the five dining facilities on campus. The South Congress Market and Meadows Coffee House are located in the Ragsdale Center. Hunt Hall Café and The Huddle are located on the ground level of Hunt and Le Mans Halls. The Doyle Café is located in Doyle Hall. For specific information concerning meal plan options, contact Auxiliary Services at 512-448-8601.

Apartments located on campus have eight different floor plans to choose from and are available to upperclassmen. All apartments are unfurnished. The community buildings contain laundry rooms, mailboxes, a computer room, recreational space and the Office of Residence Life. Parking is available on-site. The residence directors and resident assistants live in the complex to respond to students' needs.

Additional information concerning housing may be obtained by calling 512-448-8419. The Residence Life Office is located in Community Building 1, adjacent to the student apartments.

*First-time freshmen students are required to live on campus unless they live with a parent or legal guardian (within a 20-mile radius from the St. Edward's University campus).*

## Student Conduct

St. Edward's University has a clear responsibility in the area of student conduct to protect and promote the pursuit of its mission. Any student or faculty or staff member may file a student conduct referral charging a student with an offense of the **Student Code of Conduct** (see the *St. Edward's University Student Handbook*, online at [think.stedwards.edu/deanofstudents/studenthandbook/studenthandbook](http://think.stedwards.edu/deanofstudents/studenthandbook/studenthandbook)) by making a report to the Dean of Students Office. In all instances of general discipline, the student has the right to due process, as well as the right to freedom from discrimination and harassment (see the *Student Handbook* online at [think.stedwards.edu/deanofstudents/studenthandbook/studenthandbook](http://think.stedwards.edu/deanofstudents/studenthandbook/studenthandbook) for all rights and responsibilities). The Dean of Students Office and its conduct officers have the responsibility and authority to determine the appropriateness of a student conduct referral, accept a student's admission to a charge and impose a sanction, hear cases involving alleged violations of the Student Code of Conduct, and serve as advisors to both the complainant and the accused student regarding procedures relating to the code. Additional

information regarding university student conduct procedures may be obtained by calling 512-448-8408.

## Study Abroad

The Office of International Education (OIE) coordinates and facilitates study abroad programming at St. Edward's University. The OIE assists students in selecting from a wide range of short- and long-term opportunities in countries around the world. Students are assisted in program and location selection and pre-departure preparations, including the transfer of academic credit and the use of financial assistance for study abroad. To be eligible for study abroad, students must be in good academic standing as defined by their program of study. Students on academic probation are not eligible to apply for study abroad until they have met the requirements for satisfactory academic standing. Students who are on disciplinary probation or have incomplete sanctions are not eligible to study abroad.

For more information, call 512-428-1051, or visit the Office of International Education in Moody Hall 102.

## University Parking

Covered parking is available to all students, faculty, and staff members of St. Edward's University in the parking garage. A valid parking permit and St. Edward's University ID are required for access and egress. Parking permits are available from the ID Card Office located in Main Building, Room G3.

The University Police Department (UPD) reminds all students, faculty and staff members of St. Edward's University that curbside parking is not permitted by the City of Austin Municipal Code, to allow for emergency vehicle passage. This is not a problem, as ample parking is available in the designated parking lots. Details of parking regulations can be accessed on the web at [www.stedwards.edu/police/vehicles/index.html](http://www.stedwards.edu/police/vehicles/index.html). Please read these regulations and consult with UPD over any questions you may have. UPD may be reached at any time by calling 512-448-8444 or during business hours at Holy Cross Hall G2.

## University Police

The University Police Department is a service-oriented organization dedicated to providing a safe and secure environment for the university community. Officers are on duty 24 hours a day, seven days a week, and will respond to all calls for on-campus assistance. The department is responsible for disseminating information in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. Additional information may be obtained by calling 512-448-8444. The University Police Department is located in Holy Cross Hall, Room G2.

---

## Veterans Affairs

St. Edward's University is approved by the Texas Veterans Commission to provide educational benefits to eligible veterans and/or their dependents under applicable public laws relating to veterans' training, Chapters 30, 31, 33 (post 9/11), 35, 1606 and 1607.

Eligible veterans are advised to contact the Office of Veterans Affairs at 512-448-8766 for information and assistance in completing required forms for submission to the Veterans Administration. Veterans enrolled under the current public law provisions are subject to the same conditions concerning payment of accounts and Satisfactory Academic Progress as those applicable to any other student. Visit [think.stedwards.edu/veteranaffairs/](http://think.stedwards.edu/veteranaffairs/).

Each semester St. Edward's University is required to report to the Department of Veterans Affairs regional office students who fail to meet Satisfactory Academic Progress or who are academically dismissed.

The Veterans Affairs Office is located within the Office of Student Financial Services in Main Building, Room 204.

## Instructional Support Services

### Information Technology (IT)

The Office of Information Technology can assist you with questions concerning your student username and password, email, software, Blackboard, web publishing, network access and the university mobile app, available for iOS and Android. We also offer free anti-virus software for student computers. The Office of IT supports over 10 computer labs on campus, including three 24-hour labs. For lab locations and hours, visit [think.stedwards.edu/clams/computer-labs-locations](http://think.stedwards.edu/clams/computer-labs-locations). Real-time lab computer availability can also be viewed in the St. Edward's University mobile app.

For IT support, visit the Office of IT in Moody Hall 309, call 512-448-8443, or send a support request to [support@stedwards.edu](mailto:support@stedwards.edu).

Visit [think.stedwards.edu/computerhelp/](http://think.stedwards.edu/computerhelp/) for access to the Office of IT knowledge base and for support hours information.

### IT Training

Instructional Technology provides free computer training workshops to currently enrolled students. Workshops include training on Microsoft Office, Adobe Create Suite, and other university supported software.

For more information go to: [think.stedwards.edu/instructionaltechnology/training](http://think.stedwards.edu/instructionaltechnology/training) or contact [training@stedwards.edu](mailto:training@stedwards.edu).

### The New Media Center

The New Media Center on the second floor of the Munday Library provides digital equipment checkout,

training and assistance for students. Services include digital video and presentational technology assistance for student presentations and curriculum-based projects. Contact the Office of IT at 512-448-8443 for more information on these services.

## Library

The Munday Library has:

- A website that provides on- and off-campus access to full-text article databases, e-books, online research help and tools
- A collection that includes over 200,000 e-books, 80,000 books (both academic and recreational), journals, popular magazines, DVDs and CDs
- In-person, phone, chat, Skype and email research help (walk-up or by appointment) with librarians
- 100 computers (approximately) with access to laser printers, ample electronic outlets for laptop computers and wireless printing options
- 15 group study rooms
- Teaching computer lab for Library instruction classes
- Media equipment checkout and video editing stations
- The Writing Center
- Interlibrary loan and TexShare cards that allow students to borrow materials from academic and public libraries all over the world
- Two global digital classrooms

Housed in the library are the University's Archives and Special Collections, which includes historical St. Edward's University documents and memorabilia alongside a unique collection of rare books, music and artifacts.

For more information, go to [library.stedwards.edu](http://library.stedwards.edu) or call 512-416-5869.

## Writing Center

The Writing Center is a free service for current St. Edward's University students. The Writing Center is on the second floor of the Munday Library (230A). All Writing Center consultants are writing teachers or experienced staff.

Current students may make appointments for in-person help with any writing task (class papers, resumes, applications, project proposals, etc.) six days a week, up to two weeks in advance, using TutorTrac, the online scheduler linked on the center's website at: <http://sites.stedwards.edu/writing>.

The Writing Center's website (<http://sites.stedwards.edu/writing>) provides more information as well as handouts and helpful links.

---

## Activities

### Athletics and Campus Recreation

**Intercollegiate Athletics** and Campus Recreation play an active role in the co-curricular life of many students at St. Edward's. The university is a member of the National Collegiate Athletic Association (NCAA Division II) and the Heartland Conference, fielding men's teams in basketball, baseball, cross country, golf, soccer and tennis. Women compete in basketball, cross country, golf, softball, soccer, tennis and volleyball. The university's spirit program, consisting of a co-ed cheerleading team and mascot, supports the intercollegiate athletics programs. Admission to all athletic events is free for students with a valid ID card.

**Campus Recreation** offers a variety of recreational and wellness programs and facilities to members of the campus community. Programming includes intramural sports leagues and tournaments, fitness classes, personal training, and aquatics. Campus Recreation is also home to a vibrant Club Sport program, which houses over 22 clubs and teams that compete against other universities around the nation in various sports and activities. Club Sport teams include men's and women's soccer, lacrosse, rugby, dance, outdoor adventure, and numerous other activities available to all students. Additionally, Campus Recreation manages an informal recreation program, where students, faculty and staff are welcome to drop in and utilize the facilities to improve their health and well-being. Housed in the UFCU Alumni Gym, with additional facilities in the **Recreation and Convocation Center**, Campus Recreation facilities include basketball, volleyball and racquetball courts; an indoor swimming pool; and a recently renovated fitness center equipped with all new cardio and weight training equipment. Outdoor facilities include a jogging trail and a recreation field.

Additional information may be obtained by calling 512-233-1458.

### Office of Student Life

The Office of Student Life promotes learning beyond the classroom by incorporating the Holy Cross educational philosophy of information, formation and transformation. Through participation in student organizations, events and activities, leadership development opportunities, social justice initiatives and multicultural experiences, students are provided information in a context of ethical and moral perspectives designed to facilitate development of the whole person. In addition, Student Life offers free notary services.

#### *Transitional Experiences*

Within Student Life, Transitional Experiences provides valuable guidance and support to students experiencing

transitions into, through and beyond St. Edward's. The Transitional Experiences Council consists of student leaders who create programs for each year of a student's development, including Campus Connections at Orientation, Welcome Days, including the Legacy Walk, Getting to Year 2, Seniors Staying Connected, and Hilltop Send-off. The Campus Involvement Team is made up of student leaders who showcase their Hilltopper spirit and the value in campus involvement with new students.

***Involvement in Student Organizations:*** Studies in student development theory indicate that those who are involved in their campus community are more likely to learn leadership and communication skills, teamwork, conflict resolution techniques, time management and responsibility. Becoming involved in an organization affords students the opportunity to put their knowledge to action in a real-life setting, allowing them to develop the skills that will foster success throughout college and beyond. Involvement opportunities through the Office of Student Life include participation in a variety of student organizations, such as the Student Government Association, the Student Leadership Team, Recognized Organizations Council, Multicultural Leadership Board, Transitional Experiences Council, the University Programming Board, and over 100 other professional, academic, honor, cultural, community service and special interest organizations. For more information on student organizations and student events, visit Collegiate Link and set up a profile. You can access Collegiate Link by visiting the Student Life website and clicking on "Join Collegiate Link."

***Participation in Activities and Events:*** Student Life events and activities programming extends learning beyond the classroom, promotes tradition and the institution's mission and values, and contributes to the development of a vibrant university community. Working to address the needs of the entire campus population, the Office of Student Life offers an array of social, educational, cultural and entertainment programs for the students by the students. The University Programming Board is the largest programming body on St. Edward's campus and is responsible for planning and producing films, comedy shows, concerts, student talent showcases, excursions and a number of traditional events including Hillfest, Festival of Lights, Homecoming, Casino Night and the End of the Year Party.

***Hilltop Leadership Development:*** Within the university community, theoretical, practical and experiential leadership training and development opportunities are provided through purposeful and collaborative efforts between academics and student services. The Office of Student Life plays a major role in these efforts by serving as the home for the Hilltop Leaders program, the Eco-



---

Lead program, the LeaderShape Institute, and the Student Leadership Team. Students also develop leadership skills by assuming responsible positions in Student Life organizations and participating in leadership conferences.

**Multicultural Experiences:** The Office of Student Life offers multicultural programs and initiatives, including the Multicultural Leadership Board, that supports and educates the university's diverse student population through promotion of self-reflection, cultural awareness, understanding and dialogue. Student Life collaborates with various members of the university community to promote an environment in which different perspectives and experiences are explored, valued and shared. This empowers students to create positive social change on campus and in local and global communities.

**More Information about Student Life:** Visit our office in the Ragsdale Center, Room 304, visit our website at [think.stedwards.edu/studentlife/](http://think.stedwards.edu/studentlife/) or call 512-448-8422.

## The Mary Moody Northen Theatre

Mary Moody Northen Theatre (MMNT) is a 178-seat arena theatre which serves as the central venue for the St. Edward's University professional theater training program. Through MMNT, students work alongside professionals in the field and participate in all facets of theatrical production, including acting, stage

management, design, technology and administration. We are one of the nation's few undergraduate-only programs incorporating a full season under the Actors' Equity Association U/RTA agreement.

For more than 40 years, MMNT has presented award-winning theatrical productions. Previous guest artists have included William Shatner, Pernell Roberts, Leonard Nimoy, Tim Russ, David Birney and the Saratoga International Theatre Institute (SITI), among others. The theater presents four or five mainstage shows each year and is host to an annual student-directed 10-minute play festival. MMNT's repertory ranges from the classical to the modern, including musicals as well as straight plays. Our productions regularly receive accolades from the local press.

MMNT encourages student attendance by offering special rates for student season tickets and single ticket discounts. Post-performance discussions are scheduled throughout the season. Group rates are available. For a special treat, join us on any opening night and enjoy a post-production reception with the cast and crew.

More information on the production season can be found at [www.stedwards.edu/theatre](http://www.stedwards.edu/theatre) or by calling the MMNT box office at 512-448-8484. The box office is located in the theatre lobby and is open from 1–5 p.m. Monday–Friday when classes are in session. MMNT is a member of the Theatre Communications Group.

## SPECIAL ACADEMIC PROGRAMS

### Global Understanding Program

The Global Understanding Program provides students with the opportunity to increase and document their understanding of, and facility working with, global processes. Students wishing to graduate in the Global Understanding Program must complete a series of five general education courses in which they learn, practice and demonstrate competence in global politics, global economics and cultural elements in a global world. They must also develop intercultural communication and modern language skills and have global experiences here and abroad. The requirements for completing the Global Understanding Program are listed below.

***Complete the following five general education courses:***

- CULF 1318 Global Literature and the Human Experience
- CULF 1319 Global Understanding and Appreciating the Arts
- CULF 3330 History and Evolution of Global Processes
- CULF 3331 Contemporary World Issues
- RELS 1304, 2302 or 2303 World Religion course

***Demonstrate facility in Global Communication:***

- Demonstrate intermediate proficiency in a non-English language.
- Complete COMM 3434 Culture and Communication.

***Demonstrate Global Experience internationally, nationally and locally:***

- Demonstrate significant global experience in co-curricular activities.
- Study abroad and complete the required pre-departure orientations as well as the post-study-abroad reflective course SABR 3212.

***Demonstrate Global Understanding by choosing a global issue for:***

- CAPS 4360 Capstone Project

Students who successfully complete these Global Understanding Program requirements will have their academic transcripts annotated as having graduated under the Global Understanding Program, and the accompanying co-curricular transcript will reflect their global experiences. Further information is available from Dr. William Nichols, Global Understanding Director, located in Doyle Hall or by contacting him at 512-416-5874.

### Honors Program

The Honors Program provides academically talented and highly motivated students with superior educational opportunities that challenge their abilities. Selected from diverse backgrounds and majors, Honors students should

possess broad scholarly interests, enthusiasm for learning, imagination and creativity, and a solid academic record. Admission to the program is limited, and academic standards are rigorous. To complete the program, students must have a GPA of at least 3.50 in all Honors courses and maintain a cumulative GPA of at least 3.50. The cumulative GPA requirement is a change from the policy in previous bulletins, and it applies to students who entered in Fall 2010 or later. Students who fall below the required Honors GPA (3.50) or the required cumulative GPA (3.50) for three consecutive semesters will be subject to dismissal from the Honors Program. Students who have not registered for an Honors course for three consecutive semesters are also subject to dismissal from the program.

Students must take a minimum of seven Honors seminars and the Honors senior thesis (24 hours). Students may not take more than two Honors courses a semester. Honors seminars may be used to satisfy portions of the university general education requirement. In lieu of the Capstone Course, Honors students are required to compose a senior thesis under the direction of a faculty mentor and to present it at an open forum. The senior thesis enables the student to engage in independent study, research and writing.

The Honors Program integrates traditional and novel approaches to learning from the behavioral and social sciences, the humanities and other areas of the university. In Honors seminars, contemporary and historical topics are addressed from the perspective of multiple academic disciplines. Faculty members chosen for the program are committed to the interdisciplinary approach to teaching, and Honors students bring specialized knowledge from varied fields of study to the classroom. Further information is available from the Honors Program director at 512-448-8558.

### Interdisciplinary Scholars Program

The School of Behavioral and Social Sciences (BSS) Interdisciplinary Scholars Program is designed to expose students to multiple areas of inquiry and scholarship within the behavioral and social sciences, with emphases on Global Understanding and Perspectives, Social Justice and Diversity, and Critical Thinking. By integrating methods, theories and concepts across disciplines, students will gain unique insights into the complex, critical issues commonly addressed by BSS disciplines. Once accepted, students will work with the program advisors to plan their set of courses. Students who successfully complete the program will have the ISP designation listed on their academic transcripts.

---

Eligibility requirements include:

- Full-time undergraduate student status, majoring in any BSS discipline
- Cumulative GPA of 3.0 or better
- 30 hours of coursework completed

Program components include:

- Completion of five ISP courses in residence, across three distinct disciplines, including the student's major
- At least one course from each of the three designated areas of emphasis: Global Understanding and Perspectives, Social Justice and Diversity, and Critical Thinking
- Maintaining a GPA of 3.50 or better across all ISP courses, with a minimum grade of B in each course
- Completion of the IBSS 4350, Interdisciplinary Research Methods course, during the senior year which substitutes for the Capstone Course
- Oral presentation at the BSS ISP Symposium.

To learn more about the BSS Interdisciplinary Scholars Program, please contact the BSS dean's office or go to the application online at: [think.stedwards.edu/bss/bssISPapplication](http://think.stedwards.edu/bss/bssISPapplication).

In lieu of the Capstone Course, Interdisciplinary Scholars students are required to take IBSS 4350 and complete a research project under the direction of a program advisor. They will present the project at the BSS Interdisciplinary Scholars Symposium. The research course enables the student to engage in interdisciplinary research and complete a written project which integrates disciplinary insights.

## Internships

An internship is a structured work experience, paid or unpaid, through which students can integrate classroom learning with practical experience and training. Participation in the Internship program gives students the opportunity (1) to apply classroom theory and knowledge in practical, real-world situations, (2) to gain confidence and experience in their field of concentration, (3) to explore career options, and (4) to discover the additional learning they might need to excel in their chosen field.

Although not all degree programs require students to participate in the Internship program, the experience provided by an internship can be very valuable in evaluating career options, developing professional contacts and obtaining positions after graduation.

Internships are available in a wide variety of business, professional, governmental and social agencies. *Students seeking academic credit for their internship should get approval from their advisor.* International students interested in doing internships should see an advisor in the Office of International Education in Moody Hall 118 before signing up for the internship class or beginning to work.

Call 512-448-8530 for more information, or visit the Career and Professional Development Office on the ground floor of Moody Hall.

## McNair Scholars Program

The Ronald E. McNair Postbaccalaureate Achievement Program is a federal TRIO program funded at 152 institutions across the United States and Puerto Rico by the U.S. Department of Education. The McNair Scholars Program is designed to prepare participants for doctoral studies through involvement in research and other scholarly activities.

Applications are available to eligible full-time undergraduate students majoring in any discipline at St. Edward's University.

Eligibility requirements include:

- GPA of 2.7 or better
- Undergraduate status
- U.S. citizen or permanent resident
- Low-income and first-generation college student or a member of a group underrepresented in graduate study

Throughout the academic year McNair Scholars receive:

- Regularly scheduled seminars on topics related to graduate school preparation
- A mentoring opportunity with a faculty member who will provide guidance, advice, role-modeling and an introduction into the academic profession
- GRE test preparation
- Visits to graduate schools
- Graduate school application fee waivers by those universities that conduct TRIO programs, as well as others

McNair Scholars may also be eligible for Summer Research Internships, which include:

- An eight-week stipend of up to \$2,800
- Free room and board
- Three semester hours of tuition-free credit
- The opportunity to present research findings at an end-of-summer St. Edward's University McNair Research Symposium

To learn more about the McNair Scholars Program or to obtain an application, please visit the McNair office at the Woodward Office Building 133, or call 512-428-1268.

## Air Force and Army ROTC

Department of Air Force and Army Science courses are designed to prepare selected students for a commission in the U.S. military through the ROTC program. Students may take lower-division courses with no military obligation. Scholarship students and selected students who elect to take upper-division courses do so on a contracted basis and, upon graduation and commissioning, enter

active duty. All courses are taught by officers on the University of Texas at Austin campus. Qualified students from St. Edward's University may enroll and, upon graduation from St. Edward's, be commissioned as second lieutenants.

Students should contact the Air Force ROTC at 512-232-2370 or the Army ROTC at 512-471-5919 at the University of Texas for further information.

English as a Foreign Language

Though St. Edward's does not operate an intensive English program on campus, the university does recognize the need to assist international students in making the transition to a U.S. academic environment. Therefore, in addition to the two required rhetoric and composition courses that are designed for international students and for which college credit is given, several developmental courses specifically designed for international students are provided. These courses concentrate on reading, writing, speaking and listening skills.

All international students will be tested before the start of their initial semester. On the basis of this evaluation, some students may be required to enroll in developmental classes in conjunction with an appropriate academic load.

New College

The St. Edward's University Undergraduate Program for Working Adults

Since 1974, St. Edward's has recognized the distinctive higher educational needs and goals of working adults with the New College program. New College is an innovative undergraduate degree program tailored for students who are above 24 years of age or who have at least four years of full-time work experience. Students in New College begin their degree programs at a time convenient to them and proceed at a pace commensurate with their career, family and community responsibilities and educational goals. They work on degree plans in close consultation with staff advisors. New College students may enroll in the full range of undergraduate courses offered at St. Edward's. To meet the needs of adult learners, New College courses are offered in online, hybrid and evening classroom settings. New College students may also choose to take advantage of the Prior Learning Assessment Program wherein they can apply their experiential learning to petition for credit for St. Edward's University courses.

Depending on their major, New College students earn the following fully accredited St. Edward's degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration or Bachelor of Liberal Studies. They may select majors from the university's Undergraduate Bulletin or from a limited number of

alternate majors exclusive to the program. More information about the St. Edward's program for working adults is available online at: [www.stedwards.edu/academics/newcollege](http://www.stedwards.edu/academics/newcollege) or through the Office of Admission, 512-428-1050.

Academic Support Courses

Academic support courses are designed to strengthen students' skills in English, reading and/or mathematics when performance on the SAT, ACT or university placement tests indicates possible gaps in background knowledge. Successful completion of one or more non-degree-credit courses (courses numbered below 1000) during the freshman year enhances performance in college-level studies. These courses do not affect eligibility for financial assistance or for athletic or academic scholarships.

Working closely with their academic advisors, students select a schedule that includes the required skills courses along with appropriate degree-credit courses. The competencies developed in the skills courses are beneficial throughout the student's college education, supporting performance across the curriculum.

Courses numbered below 1000 do not count toward the 120 hours required for graduation, and the grades are not calculated in the cumulative grade point average.

English Writing Proficiency

When testing indicates the need for support courses to build English language and writing skills, students are required to take a course or courses designed to improve these skills to the required level. Students required to take English 0301 and/or 0304 (same as Freshman Studies 0307 and/or 0308) enroll in English 1301 after satisfactorily completing this requirement. The courses are:

U.S. Students:  
ENGW 0301/FSTY 0307..... Basic Writing I  
ENGW 0304/FSTY 0308.....Basic Writing II  
READ 0210 ..... Reading for College Success  
READ 1323 ..... Critical and Efficient Reading  
READ 1323 will be taken when students are also enrolled in FSTY 1310.

International Students:  
ENGW 0302 ..... Basic Writing  
ENGW 0105 ..... Speaking and Listening Lab  
ENGW 0107 ..... Writing Lab  
READ 0210 ..... Reading for College Success  
READ 1323/1324Critical and Efficient Reading I & II

All English writing proficiency requirements, including freshman writing proficiency, must be satisfied by the time the student has completed 45 semester hours of courses numbered 1000 or higher.



---

### ***Reading/Study Strategies Proficiency***

When placement testing indicates the need for support courses in English language, reading comprehension and writing skills, students are required to take READ 0210 or READ 1323.

Freshmen whose college entrance exams indicate they would benefit from instruction in critical reading will be required to take READ 1323 and possibly READ 1324. READ 1323 and 1324 are college-credit courses focusing on critical reading and strategic learning and are each linked to a content area course.

For international and nontraditional students, READ 0210 or READ 1323 may be required during the same semester they are enrolled in ENGW 0302, unless placement scores indicate otherwise.

READ 0210 and READ 1323 must be passed with a grade of C or higher. In addition, at the conclusion of the

semester, the READ 0210 instructor and the student will make an individualized plan for college success that the student will implement during the following semester. The student, the instructor and the student's advisor will receive a copy of the plan. It is the student's responsibility to implement the plan.

### ***Mathematics Skills***

Students who have not demonstrated an entry-level competency for quantitative skills must take MATH 0309, Basic Mathematics, as soon as possible after their initial registration at St. Edward's and before registering for any other mathematics or computer science course. After satisfactorily completing MATH 0309, students may enroll in MATH 1312 or MATH 1314 as their next math course. *A student required to take MATH 0309 must pass the course before completing 45 semester hours of courses numbered 1000 or higher.*

# ACADEMIC REGULATIONS

St. Edward's University offers students an extensive selection of majors, minors, and pre-professional and certificate programs for undergraduate students. These programs are taught by faculty in The Bill Munday School of Business, the School of Behavioral and Social Sciences, the School of Education, the School of Humanities, and the School of Natural Sciences.

The vice president for Academic Affairs is the chief academic officer of St. Edward's University and the official representative of the university in matters pertaining to the scholastic life of the entire student body. Inquiries and requests related to academic policies and procedures described in the *Undergraduate Bulletin* should be addressed initially to the associate vice president for Academic Affairs. If necessary, the associate vice president for Academic Affairs will consult with the vice president for Academic Affairs before a decision is made.

Regulations made by the vice president for Academic Affairs in addition to, in abrogation of or in the interpretation of the following regulations have the same force as the regulations themselves.

In case of discrepancy between the *Undergraduate Bulletin* and other publications or academic information provided by any staff member other than the vice president for Academic Affairs, the *Bulletin* takes precedence.

The university reserves the right to modify all courses listed in the *Bulletin* and to cancel courses in which the minimum enrollment is not attained.

**The provisions of the *Bulletin* regarding degree requirements for the year during which a student first enrolls at the university will apply until his or her graduation, provided graduation occurs not more than six years after enrollment or with approval of the school dean of the student's major.**

Degree candidates who are not enrolled for more than 36 months must meet the requirements of the *Undergraduate Bulletin* in effect when they return. A St. Edward's graduate who wishes to pursue a second degree is bound by the *Bulletin* in effect when the major for the second degree is declared. Such a student must complete a minimum of 30 additional hours beyond the first degree. Courses that were required for the first degree cannot be used to meet the requirements for the second degree but must be substituted by courses determined by the dean of the school in which the major is located.

## Communication

The medium of communication for many academic issues at St. Edward's University is **email**. Students are required to establish and monitor their account on a regular basis. Students who have been notified of

academic/curricular issues via their St. Edward's academic email account will be considered to have been officially notified. The university is not responsible for ensuring that students receive email that is forwarded to non-university accounts. Students' university email accounts are made inactive when any of the following circumstances apply:

- Sixty days have passed since graduation.
- The student has not registered by the last day to add courses in the session the student was admitted.
- The student is no longer currently enrolled and must reapply for admission.

Students also are responsible for updating their mailing address online (myHilltop) to receive their regularly mailed correspondence.

## Semester Hour

St. Edward's University, in accord with federal guidelines, defines a credit hour as an amount of work represented in intended learning outcomes and verified by student achievement that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately 15 weeks for one semester hour credit or the equivalent amount of work over a different amount of time; *or*
2. At least an equivalent amount of work as required in item 1 for other academic activities, including laboratory, studio or performance work, internships, practica, research, capstone projects and other academic work leading to the award of credit.

Seven-week courses and six-week and 12-week summer courses that are compressed are in accord with the same amount of work as stated in item 1 above.

## Course Numbering

Only those courses numbered 1000 or above count toward a degree. Course numbering usually denotes the following:

1000–1999 Freshman level	}	Upper Division
2000–2999 Sophomore level		
3000–3999 Junior level		
4000–4999 Senior level		

## Academic Load

A student carrying a minimum of 12 hours in a long semester (fall or spring) shall be considered a full-time student. A course load of 19 or more hours, all at St. Edward's or taken concurrently at St. Edward's and another institution, requires the approval of the appropriate school dean. In summer terms the following limits apply: Summer I, six hours; Summer II, six hours; Summer 12-Week, 12 hours. A student should be registered for no more

---

than 12 concurrent hours at any time during the summer and a total of no more than 15 hours for the entire summer. A course load that exceeds any of these limits requires approval of the dean of the student's school.

International students on F-1 and J-1 visas must be enrolled in a full course load of 12 hours each semester. Students on other visas, such as F-2, J-2, H-1, and H-4, should contact the Office of International Education at 512-428-1051 with questions regarding their course loads.

## Admission to Classes

A student must complete all steps of the registration process prior to attending classes. No student will receive credit for any class for which he or she has not been properly registered.

## Class Attendance

St. Edward's considers regular attendance in all classes one of the important obligations of the student. Each instructor is responsible for establishing attendance rules for his or her own class and providing them to the class in written form.

## Classification

For sophomore standing, 30 hours of credit must have been accumulated; for junior standing, 60 hours; for senior standing, 90 hours.

## Requirements for Satisfactory Academic Standing

The cumulative grade point average for courses taken at St. Edward's University must be at least 2.0 for good academic standing. Students falling below 2.0 are allowed one probationary semester to raise the GPA to the acceptable level. At the end of this probationary semester, students who have not attained the required cumulative GPA but have attained a semester GPA of 2.25 or higher in 12 or more hours (or, if part-time, in all hours attempted) are allowed another semester of probation, with the condition that they must pass 12 hours with a 2.5 semester GPA if full-time, or in all hours attempted with a 2.5 semester GPA if part-time. If at the end of the second semester on probation the student still has not attained the required GPA, he or she is subject to dismissal from the university. Dismissal is a permanent separation from the university; it is not a suspension that carries with it the option of returning in the future. However, for extenuating circumstances, students who have been dismissed may appeal for reinstatement by writing a letter to the associate vice president for Academic Affairs.

Students who have been on academic probation, have returned to good standing and have again fallen below a 2.0 cumulative GPA are placed on probation again and

required to earn at least a 2.5 semester GPA in order to continue on probation, or bring the cumulative GPA up to 2.0 for good academic standing.

Although the university measures satisfactory academic standing only in terms of grades, other criteria for satisfactory progress must be met to qualify for financial assistance, veterans' benefits and participation in inter-collegiate athletics. Information is available from staff in the appropriate programs.

## Academic Integrity

St. Edward's University expects academic honesty from all members of the community, and it is our policy that academic integrity be fostered to the highest degree possible. Consequently, all work submitted for grading in a course must be created as a result of your own thought and effort. Representing work as your own when it is not a result of such thought and effort is a violation of our code of academic integrity. Whenever it is established that academic dishonesty has occurred, the course instructor shall impose a penalty on the offending individual(s). It is recognized that some offenses are more egregious than others and that, therefore, a range of penalties should be available. Whenever possible, it would also be important to try to determine the intent of the offender, since the error could be a result of careless work rather than an intent to deceive. **The maximum penalty for a first offense is failure in the course, and if that penalty is imposed, the student does not have the option of withdrawing from the course.** In cases of mitigating circumstance, the instructor has the option of assigning a lesser penalty.

After obtaining sufficient evidence that such dishonesty has occurred, the instructor should discuss the question with the student. Instructors who impose a penalty for serious academic dishonesty should report this penalty to the dean or director of the program in which the course is offered. The dean or director will report confirmed cases of dishonesty to the associate vice president for Academic Affairs, and a record of all offenses will be kept by the Office of the Associate Vice President for Academic Affairs. Offenses that resulted in failure in the course will then be reported to the Office of the Registrar.

The associate vice president for Academic Affairs will determine whether an earlier serious offense by the student has been recorded. A second serious offense merits an automatic appeal. Upon denial of this appeal, the associate vice president for Academic Affairs will dismiss the student from the university and notify the registrar and the dean or director.

A procedure for student appeal is already established and is outlined in detail in the *Student Handbook*, but it should be noted that for appeals of decisions regarding academic

---

dishonesty, the student must appeal to the dean of the school or program director within five working days after being notified by the instructor.

## Summer Session

During the summer, St. Edward's University offers a 12-week term and two six-week sessions. A limited selection of course offerings is provided; therefore, students should avoid depending on summer school courses to meet their requirements, especially in the major. Beginning in about mid-March, a list of summer school courses and schedules can be obtained from the Office of the Registrar's web page at [think.stedwards.edu/registrar/](http://think.stedwards.edu/registrar/).

## Independent Study

Independent study should be limited to those cases in which a senior student's graduation would otherwise be delayed. Permission of the instructor and the dean of the school are required. All independent studies will involve a minimum of six contact hours between the student and the instructor. (If the course is scheduled for the current term, an independent study will not be approved.) Ordinarily there is no provision for independent study in the long semesters. During the summer, all independent studies are in the 12-Week term.

## Auditing Courses

To audit a course, the auditor must file the signed Audit Form with the Office of the Registrar after the first day of regular registration for any given term and no later than the Official Headcount Day. Students who wish to withdraw the audit and take the class as a registered student must complete the process prior to the end of the add period for the class.

Auditors not enrolled for credit are not considered St. Edward's University students. Auxiliary services are not available to non-students auditing courses. These include access to library, computer lab and Blackboard services, as well as student identification cards. In addition to the audit fee, non-students must purchase a commuter parking pass.

The school deans determine which courses are open to auditors. The Office of the Registrar maintains records of all audits; however, no credit is given for audited courses. A student may not subsequently challenge a course he or she has audited. Any one person may audit a cumulative maximum of 12 hours at St. Edward's University.

## Registration and Advising

Students at St. Edward's University use a web-based registration system to register and make schedule adjustments (adds and drops). New or readmitted students will select and register for courses with the assistance of an

advisor. During subsequent terms, students must process their own registration.

Upon notification of eligibility from the Office of Undergraduate Admission, new, transfer and readmitted students should contact Academic Counseling and Exploration at 512-448-8660 to schedule an advising and registration appointment. Acceptance packets from the Office of Undergraduate Admission include information on the student academic computer account (myHilltop). Students can contact the Office of IT at [support@stedwards.edu](mailto:support@stedwards.edu) or 512-448-8443 for assistance with their myHilltop login and password. New freshmen and international students will be advised and registered during their scheduled orientation session.

The St. Edward's University Office of the Registrar webpages, located at [www.stedwards.edu/regist](http://www.stedwards.edu/regist), contain detailed policy, course schedule, dates and deadlines, registration, and graduation information. Students can access a variety of personal academic information from their myHilltop account, including student schedule, grade report, academic record, address review/update and degree audit.

Students assume financial and academic responsibility for each registered course. Withdrawing does not automatically absolve a student's financial responsibility for his/her educational expenses. It is the student's responsibility to drop/withdraw from courses.

Discontinuing attendance or notifying an instructor of a status change does not constitute a drop or withdrawal. The student is responsible for initiating and completing the drop or withdrawal procedure by utilizing myHilltop. If the student fails to complete the process, he or she will receive the grade(s) assigned by the instructor(s) of record and be billed accordingly.

## Schedule Adjustments

Each student is responsible for determining, prior to the end of the adjustment period, whether he or she has the appropriate class schedule. Course prerequisites, compatibility with work schedule and class assignments should be considered carefully. All schedule adjustments must be processed by the published deadlines. Students are allowed to withdraw from courses during the posted schedule adjustment period. During this period, the refund schedule set forth by the Office of Student Financial Services is adhered to.

A student may add or drop courses (make schedule adjustments) anytime during the registration period. After this period, a student may only withdraw from courses. Consult the Registrar Dates & Deadlines and Course Schedules online for specific course begin, end, add, drop or withdrawal dates and other important deadlines.

A student may withdraw from a course under the



following provisions:

1. Through the 12th class day (Official Headcount Day) of any semester (or the equivalent during short terms), without having the course recorded on the transcript.
2. After the 12th class day of the semester (or the equivalent during short terms), but before the end of the 10th week of the semester, with a grade of W recorded on the transcript. If the withdrawal procedure is not followed to its conclusion, a grade of F will be entered on the transcript.
3. After the first 10 weeks of a semester, four weeks of a six-week term or eight weeks of a 12-week term, no student may withdraw from a course.

Under other circumstances, the following procedures pertain:

1. After the end of a term, if a student receives a grade of F from an instructor, upon providing to the associate vice president for Academic Affairs sufficient evidence of having initiated but not completed the drop process for the course, a grade of W may be substituted for the F.
2. During the first 10 weeks of long semesters and the comparable period in short terms, an instructor has the option, but is not required, to request the Registrar to assign a grade of WA (Withdrawal Due to Absences) to a student who has excessive absences from a class. The determination of what constitutes excessive absences is the prerogative of the instructor, but the specific policy should be given to the class in writing at the beginning of the semester.
3. The student is responsible for contacting the instructor to ascertain class progress prior to the withdrawal deadline.
4. A student may receive an involuntary administrative withdrawal resulting in a grade of W under specific circumstances. This withdrawal is initiated by the instructor and approved by the appropriate school dean and the associate vice president for Academic Affairs.

**Note:** A student is not officially dropped from a class, except in the case of a WA, until the student completes the drop process, as published by the Office of the Registrar.

**The deadline for changing any academic record is**

- **Aug. 15 for a course taken the previous fall,**
- **Jan. 15 for a course taken the previous spring, and**
- **May 15 for a course taken the previous summer.**

Students may request, for extenuating circumstances only, a registration schedule change, refund request or withdrawal past the deadline through a petition process. Students must submit the appropriate petition form and substantiating documentation to the associate vice president for Academic Affairs. Petitions are evaluated on a case-by-case basis. The associate vice president

for Academic Affairs approves or denies administrative adjustments. The Refund Committee evaluates and approves or denies refund requests. Petitions will not be considered past the deadlines for changing any academic record.

## Formal Withdrawal from the University

Students wishing to withdraw from the university must complete the formal withdrawal process and withdraw from courses during the posted schedule adjustment period, if applicable. Students who complete a semester and are not able to return to the university for the following semester must also complete the formal withdrawal process.

Students who receive financial assistance and withdraw should refer to the Consequences of Withdrawal in the Financial Assistance section of this *Bulletin* (pg. 12) since withdrawing can significantly impact a student's eligibility for future financial assistance as well as the educational expenses owed to the university. Students assume financial and academic responsibility for each registered course. Withdrawing does not absolve a student's financial responsibility for his/her educational expenses. It is the student's responsibility to drop or withdraw from courses. Discontinuing attendance or notifying an instructor of a status change does not constitute a drop or withdrawal. The student is responsible for initiating and completing the drop or withdrawal procedure by completing the formal withdrawal process and utilizing myHilltop, if applicable. If the student fails to complete the process, he/she will receive the grade(s) assigned by the instructor(s) and be billed accordingly.

A student's withdrawal from the university is official only after he or she submits an official withdrawal form and completes an in-person interview with the associate vice president for Student Academic Support Services. Download the form at [think.stedwards.edu/registrar/forms-0](http://think.stedwards.edu/registrar/forms-0). Students may also contact the associate vice president at 512-464-8855 to obtain the form and begin the formal withdrawal process.

**Note:** The university reserves the right, under specific circumstances, to cancel registration for nonpayment. Instructors have the option to withdraw students for nonattendance but are not required to do so. It is the student's responsibility to confirm any drop or withdrawal transaction.

## Military Activation

If a current student is a member of the active reserve, ready reserve, inactive reserve or national guard and receives orders for active duty status, he or she has the option to (1) receive a refund of tuition for the courses that he or she is registered for in the semester in which he or she is to be

activated, with the student's transcript reflecting unrecorded drops for that term; or (2) receive a grade of I (Incomplete) for each course the student was registered for at the time of activation. The student would have one year from the date of withdrawal from St. Edward's to complete the course requirements. Submission of the course requirements and methods of communication would be determined by the instructor(s). If the student does not fulfill the course requirements within the allotted time, the I grade will convert to a W grade. Should the course be discontinued or if the original instructor is unavailable, a W will be assigned. Options are exclusive and may not be combined.

Students who receive orders for active duty and who stop out for more than 36 months are bound by the *Bulletin* in effect when they reenter. Returning students will be allowed readmission upon completion of a Returning-Student application. Additionally, an official transcript is required from every postsecondary institution attended during the student's absence, even if credit was not earned, a course grade was not received or the course is non-transferable. Coursework from one college posted on the transcript of another will not satisfy this requirement. Official transcripts are to be sent to the appropriate Office of Admission in an envelope sealed by the originating institution. The transcript will not be considered official if the student has had access to the actual transcript.

## Examinations

Major examinations are held at the end of each semester. The periods for major examinations are two hours long, although the instructor may choose not to allow the full two hours. Final grades are based on a combination of the final examination (not more than 50 percent of the final grade) and classwork, tests, projects and other assignments, as indicated by the instructor in the course syllabus. In addition, some courses may require the demonstration of a competency level in order for credit to be given.

## Grades

A+	Excellent
A	
A-	
B+	Good
B	
B-	
C+	Average
C	
D	Passing, but usually not transferable
F	Failure
CR	Credit; given for satisfactory completion. All credit gained by examination is entered on the transcript as CR.
P	Pass

NG	No grade submitted by instructor. No credit awarded.
N	No pass
W	Withdrawal. See preceding section on Schedule Adjustments.
WA	Withdrawal due to absences. See preceding section on Schedule Adjustments — other circumstances (#2).
I	Incomplete. A grade of I (Incomplete) may be given only in exceptional cases in which extenuating circumstances that occur in the last 10 days of the semester interfere with the completion of final coursework. Work must be completed and the grade received in the Office of the Registrar by Oct. 1 for all summer-term courses, March 1 for fall semester courses and July 1 for spring semester courses or a grade of F will be entered on the transcript. If a student is certified to graduate and receives an incomplete, the course must be graded by the deadline for graduation credits, which is earlier than the above dates.

### Point System

Averages are computed according to the following scheme:

A+	4.0 points per semester hour
A	4.0 points per semester hour
A-	3.67 points per semester hour
B+	3.33 points per semester hour
B	3.0 points per semester hour
B-	2.67 points per semester hour
C+	2.33 points per semester hour
C	2.0 points per semester hour
D	1.0 point per semester hour
F	0 points

(CR, P, N, NG, W, WA and grades for transfer work are not computed in the point system.)

1. Although credit hours may be transferred from another accredited college or university, only grades earned at St. Edward's University will be employed in computing a student's grade point average. However, in accordance with federal law facilitating student financial arrangements, St. Edward's University students completing courses while attending an institution with which St. Edward's has a formal consorial/contractual relationship will earn credit in the same manner as if the courses had been taken on our campus. Grades earned in basic skills classes (numbered below 1000) are not calculated in the cumulative grade point average.
2. When students repeat a course for a higher grade, both records remain on the transcript and both

---

grades are calculated in the cumulative GPA. The repeated course is to be counted only once in the cumulative hours earned toward the degree, even though cumulative hours on the transcript and on grade reports include all attempts resulting in a passing grade. If the course is in the major, only the higher grade is included in the major GPA.

3. If the final course grade received from an instructor is thought to be either in error or academically indefensible, a student may appeal the grade by following the procedures found in the *Student Handbook* under **Academic Grievance Policy**.
4. In any case in which an error has been made in registration for a course, in an instructor's reporting of a grade to the registrar or in the entering of the grade on the official transcript, the student must report the error to the Office of the Registrar by March 1 for a course taken in fall. For a course taken in the spring or summer sessions, the error must be reported by Oct. 1. The student is responsible for verifying grades assigned to the academic record by the deadline shown.
5. Once entered, work is not removed from the transcript.

## Final Grades

All faculty and instructors at St. Edward's use Web Grade Entry to enter final course grades. *Final grades are available as they are posted by the instructor.* If you have questions regarding your final grade, please contact your instructor.

Final **grade reports** are not automatically mailed by the Office of the Registrar. Currently enrolled or active students may view their grades and request a final grade report by accessing myHilltop. To view grades, log in and click on the link titled Grades in the left frame. Be sure to change your option settings to the appropriate term and year. If you require an official printed copy, click on the Request Official Grade Report button at the bottom of the page. After you submit the request, you will see the grade report request date, status and mailing address.

All grade reports are mailed to the academic correspondence address. Please verify your address by using the Address Review & Update option. Grade reports will generally be processed and mailed each week on Monday. Grade reports will not be processed until there is at least one grade entered for the requested term.

## Internship Grades

Grading of internship courses offered by St. Edward's University typically involves evaluation by a faculty member in consultation with a supervisor at the internship site. In these cases a letter grade of A, B, C, D or F is assigned at the completion of the course. In certain cases that are approved in advance by the student's dean, course

credit may be granted for internships in nonacademic settings without direct evaluation by a faculty member. In these cases, upon successful completion of the internship a CR will be entered on the student's transcript for the course for which credit is granted. Failure to successfully complete such a course will result in a grade of N (no pass) being entered on the transcript.

## Pass/No Pass Grading

The pass/no pass grading system is designed to encourage students to explore areas in which they have possible interest but little background. Junior, senior and postgraduate students may take up to two courses totaling six hours or fewer on a pass/no pass basis in any given semester, and no more than 12 hours over the course of a student's entire academic history. However, such classes cannot be part of the requirements for the major, minor, Honors Program or any of the following courses if used to satisfy a general education requirement: Freshman Studies 1311/English Writing 1301; Freshman Studies 1313/English Writing 1302; Cultural Foundations 1320, 2321, 3330, 3331; College Mathematics; Computational Skills; Oral Communication; Ethics; Capstone Course; Honors Thesis; or SCIE 2320, Science in Perspective. A letter grade of D or higher will count as a pass.

To take a class on a pass/no pass basis, the student must submit the appropriate form to the Office of the Registrar no later than the mid-semester date for spring and fall (as posted in the academic calendar), the 24th class day for the 12-Week summer term and the 15th class day for the 6-Week summer terms. A pass/no pass declaration may be withdrawn and the class taken for a letter grade at any time up until the above deadlines. Pass/no pass grades are not included in the GPA and cannot be converted to letter grades beyond the withdrawal deadline.

## Transcripts

Current St. Edward's University students can view an unofficial transcript using their myHilltop account.

Requests for official transcripts of the permanent record must be submitted to the Office of the Registrar. St. Edward's University defines the permanent record as the student's academic history at the university. Alumni and former students of St. Edward's University have a period of one year from the date of last attendance or graduation in which to contest any information contained on their official transcript. After that date all information contained on the transcript will be considered permanent and will not be altered or changed.

Official transcript requests must be submitted in writing (fax or mail), in person or via the student myHilltop account. To order or request your transcript, contact the Office of the Registrar or visit [think.stedwards.edu/registrar/](http://think.stedwards.edu/registrar/) transcripts for detailed information. There is no fee for

official transcripts. Transcripts are not issued to students who have not met their financial obligations to the university or to federal student loan borrowers in their last semester or no longer enrolled who have not completed the required federal Exit Loan Counseling Session. **Transcripts cannot be returned or issued by fax.**

## Transfer of Credits

Transfer credits will be accepted by St. Edward's only if they were earned in a college or university that has been accredited by one of the following recognized regional accrediting commissions: New England Association of Schools and Colleges — Commission on Institutions of Higher Learning; Middle States Association of Colleges and Schools/Commission on Higher Education; North Central Association of Colleges and Schools; Northwest Association of Schools and Colleges; Southern Association of Colleges and Schools — Commission on Colleges; or the Western Association of Schools and Colleges.

Credit may be granted for work completed at four-year foreign institutions that have a compatible liberal arts curriculum. (For additional information, see #1 under Grades on page 28.) Work is evaluated according to American Association of Collegiate Registrars and Admissions Officers (AACRAO) guidelines. In cases where sufficient resources are not available to make a satisfactory determination of credit, the evaluation is undertaken by a private agency at student expense. Proprietary and single-purpose institutions, including vocational/technical programs, accredited by these same regional bodies or any other accrediting body are specifically excluded. Exceptions may be made if the courses are recognized traditional academic courses and are the equivalent of courses currently offered at St. Edward's.

St. Edward's University and **Austin Community College** have developed an articulation agreement whereby students who graduate from ACC in specified degree programs will have their credits accepted by St. Edward's.

## Transfer Credit Policies

Only courses in which a student has earned a grade of C– or higher will be accepted. A grade of pass will be considered on a case-by-case basis for transfer students prior to matriculation only.

Courses determined by St. Edward's to be developmental, remedial or preparatory are not eligible for the assignment of transfer credit.

Quarter-hour credits will be converted using the following table:

Quarter System		Semester System
1	=	1
2	=	1
3	=	2
4	=	3
5	=	3
6	=	4
7	=	5
8	=	5

The grades for work transferred will not apply toward the cumulative grade point average.

No more than 66 hours of junior college or community college credit may be transferred to St. Edward's.

No more than four hours of transfer credit will be accepted for any fall or spring semester in which a student is concurrently enrolled at St. Edward's and another college or university.

Entering students must have official transcripts of all prior work on file within one semester of initial registration or be subject to dismissal. Transfer credit will not be awarded for any prior work completed at any institution that is not listed on the student's admission application form.

Transcripts submitted to St. Edward's for transfer evaluation become the permanent property of St. Edward's and cannot, under any circumstances, be returned to the student. St. Edward's will not generate copies of transcripts that originated at other institutions.

## Requesting to Take Courses Off Campus

Before registering for any credit-generating course(s) offered at an institution other than St. Edward's, a student must obtain and complete a **Request to Take Courses Off Campus** form and submit it to his or her academic advisor. This form may be found online at [think.stedwards.edu/registrar/forms](http://think.stedwards.edu/registrar/forms). The form must list the specific courses to be taken and the St. Edward's equivalents, have the appropriate signatures attached and be on file with (1) the Office of the Registrar, (2) the advisor and (3) the student's dean, prior to the student's enrollment at another institution. It is the student's responsibility to ensure that these requirements are fulfilled. Credit may not be retroactively accepted if the student fails to complete this process or enrolls in courses other than those approved by the advisor/dean.

The transfer of college credit from another institution may also be limited by the residency requirement for graduation and the general academic policies of St. Edward's University.

For continuing students, official transcripts of work completed at another institution must be submitted to the Office of the Registrar within the student's next long semester at St. Edward's. Failure to do so may result in the



student being barred from future registrations. Transcripts stamped “issued to student” will not be accepted unless received from the issuing institution in a sealed envelope.

Credits earned through the CLEP, DANTES, PEP or IB programs, as well as credit earned through other means of evaluation or assessment prior to admission, will be evaluated in light of the policies of St. Edward’s. (See Credit by Examination, below) Arrangements for all testing must be completed prior to certification for graduation, and all official examination scores must be submitted to the Office of the Registrar by July 1 for summer graduation, Oct. 1 for fall graduation and March 1 for spring graduation.

## Transfer Credit for General Education

The following list indicates transfer courses that may be substituted for St. Edward’s University general education requirements. Refer to page 37 for general policies that apply, noting especially the fact that transfer students must take at St. Edward’s each starred (\*) course for which they have not completed substitute course(s) prior to their initial St. Edward’s registration.

### FOUNDATIONAL SKILLS

Rhetoric and Composition I

Any freshman Rhetoric and Composition I

Rhetoric and Composition II

Any freshman Rhetoric and Composition II

College Mathematics

College Math for Liberal Arts; College Algebra or higher

Computational Skills

Computer Science (problem solving) or Statistics

Oral Communication

Speech (oral communication; presentational course in English)

Modern Language I, Modern Language II

Six hours of one contemporary modern language (see Modern Language Requirements, pg. 32)

### CULTURAL FOUNDATIONS

CULF 1318, Literature and Human Experience

Literature course (in English)

CULF 1319, Understanding and Appreciating the Arts

A course in the history, appreciation or criticism of art, music, film or theater

CULF 1320\*, The American Experience

Two of the following: U.S. History I, U.S. History II, Minorities in the U.S.

CULF 2321\*, American Dilemmas

Must be taken in residence

CULF 3330\*, History and Evolution of Global Processes

Must be taken in residence or approved study abroad

CULF 3331\*, Contemporary World Issues

Must be taken in residence or approved study abroad

## FOUNDATIONS FOR VALUES AND DECISIONS

Ethics

Any ethics course; some majors require an ethics course in the discipline, which will satisfy this requirement.

Religious Studies/Philosophy

Any course in Religious Studies or Philosophy except Ethics.

Science in Depth

A course in natural science. A transfer student may meet the Science in Depth and Science in Perspective requirements by having taken three hours in any natural science for Science in Depth, together with three hours of Biology, Chemistry or Physics for Science in Perspective. *The two courses must be in two different sciences.*

SCIE 2320\*, Science in Perspective

A course that considers the philosophy and methods of science from an interdisciplinary perspective through a set of topics selected from areas such as physics, chemistry and biology.

CAPS 4360, Capstone Course

Required of every St. Edward’s graduate.

## Credit by Examination

It is possible for students enrolled at St. Edward’s University to earn credit by examination through several external programs. The university participates in the **Advanced Placement Program** and the **College Level Examination Program (CLEP)**, both of which are administered by the College Entrance Examination Board; **Defense Activity for Nontraditional Education Support (DANTES)**, a program made available by the Educational Testing Service (ETS); and the **ACT Proficiency Examination Program (PEP)**. In addition, credit may be available to graduates of the **International Baccalaureate Program (IB)**. For information, consult the associate vice president for Academic Affairs, the Office of Admission or Academic Planning and Support Services. Specific information regarding AP and CLEP credit at St. Edward’s is available at [think.stedwards.edu/avpacademicaaffairs/creditemam](http://think.stedwards.edu/avpacademicaaffairs/creditemam).

Students with unusually thorough high school preparation or significant work experience are encouraged to earn credit by **challenging courses** offered by the university. In this way, a student’s progress toward a degree may be accelerated. A maximum of 15 hours of challenge credit may be counted. Procedures for challenging a course are found in the *Student Handbook*. Each school determines which of its courses are open to challenge. Only currently enrolled students are

eligible for challenge exams.

Credit granted by examination is applicable to a St. Edward's University degree program but may not necessarily be transferable to another institution. Examination credit counts in neither the residence hours nor honors calculations. It is necessary to make arrangements to complete all CLEP, DANTES, PEP and challenge examinations prior to certification for graduation. Test scores may take up to six weeks to arrive.

All examination scores must be submitted to the Office of the Registrar by July 1 for summer term graduation, Oct. 1 for fall semester graduation and March 1 for spring semester graduation. All examination credit appears on the transcript as CR and does not affect the GPA in any way.

St. Edward's recognizes the IB and awards credit for Higher-Level courses of 5 or better. All IB work is subject to evaluation by the associate vice president for Academic Affairs or by school deans. No credit is given for Subsidiary-Level courses. Students will be granted credit on an individual, course-by-course basis.

Credit may be granted to students earning qualifying scores on Advanced Level General Certificate of Education (A-Level) exams; however, Ordinary Level General Certificate of Education (O-Level) exams are not eligible for credit. Credit will be granted for GCE A-Level or AS-Level (Subsidiary) exam grades of C or better. A-level exams will be granted a maximum of 6-8 credits per exam, while AS-Level exams will be granted a maximum of 3-4 credits per exam; not to exceed a maximum of 32 total credits. Equivalencies for exam credit will be granted on a course-by-course basis.

Credit may be granted for **French Baccalaureate** courses with a coefficient of 4 or higher. Within this level of courses, examination scores of 13 or higher may earn a maximum of 6-8 credits per exam not to exceed a maximum of 32 total credits. Equivalencies for exam credit will be granted on a course-by-course basis.

Credit may be granted to students earning qualifying scores on the **Caribbean Advanced Proficiency Examination (CAPE)**. Credit will be granted for scores of I, II or III. For each eligible exam, a maximum of 6-8 credits will be granted, not to exceed a maximum of 32 total credits. Equivalencies for exam credit will be granted on a course-by-course basis.

## Credit for Military Experiences

St. Edward's will accept credits earned through the USAFI or DANTES program and will grant credit for military educational experiences in accordance with the recommendations of the American Council on Education.

## Modern Language Requirements

Students who obtain an undergraduate degree from

St. Edward's University must earn credit for a modern language (that is, a standard dialect of language other than English) at the second semester level or higher.

During their first year, students with a high school diploma or GED from the United States must take a placement test in the language studied in high school, learned in the home community or learned in the course of travel and/or residence abroad if they plan to continue study of that language.

To fulfill the modern language requirement:

- Students who place into the first level of a language must complete level 1 and 2 (six credit hours).
- Students who place beyond the first level of a language must complete the level into which they place (three credit hours).
- Students who choose a modern language not previously studied are not required to take the placement test, and must complete level 1 and 2 (six credit hours).
- Students may also use CLEP, IB or AP language credit to complete their modern language requirement.

St. Edward's currently offers courses in Arabic, Chinese, French, German, Japanese and Spanish. Other languages may be offered.

The only exception to the above requirement is a student graduating from high school in another country in which the language of instruction in the school was a language other than English. They are presumed to be proficient in another language and are exempt from the requirement. Fluency in that language precludes their taking levels 1-4 in that language.

## General Requirements for a Major

Course requirements for each major are listed on pages 43-105. The university maintains the right to modify university requirements at any time.

1. Students are to follow the requirements for their chosen major as specified in the *Undergraduate Bulletin* under which they enter or a subsequent *Undergraduate Bulletin*. Prior to completing 90 hours, the student declares which set of major requirements will be followed.

A graduate who wishes to pursue a **second degree**, as opposed to a second major, is bound by the *Bulletin* in effect when the major for the second degree is declared. Such a student must complete a minimum of 30 additional hours beyond the first degree. Courses required for the first degree cannot be used to meet the requirements of the major for the second degree but must be substituted by courses determined by the dean of the school that

offers the major. Transcripts will be evaluated for equivalencies for general education and major and degree requirements.

2. After completing 90 hours, the student must request a degree audit from the school of his/her chosen major.
3. At least half of the total required hours in the major discipline and at least half of the required upper-division hours in the major discipline must be taken at St. Edward's.
4. A St. Edward's student who wishes to pursue a second major while pursuing another major is bound by the *Bulletin* in effect when the second major is declared. Such a student must complete the general requirements for each major. Courses in a student's major or minor discipline may not be double-counted to satisfy requirements for any other major or minor but may be substituted by courses determined by the dean of the school in which the major is located.
5. Major courses cannot be taken pass/no pass. All classes must be completed for a grade.
6. The student must have at least a 2.0 GPA in the major.
7. Any special requirements of the department must be met.

## General Requirements for a Minor

Course requirements for each minor are listed on pages 43–105.

1. Undergraduate students have the option (but are not required) to have one or more academic minors in addition to their academic major.
2. Each minor is officially noted on the student's transcript at the time the degree is posted.
3. A minor consists of 18–27 hours, of which at least nine hours must be upper-division credit.
4. A student must take at St. Edward's at least 12 hours or one-half of the courses required for the minor, whichever is greater. These required hours at St. Edward's must include at least nine upper-division hours.
5. Minor courses cannot be taken pass/no pass. All classes must be completed for a grade.
6. The student must have at least a 2.0 GPA in the minor.
7. Courses in a student's major or minor discipline may not be double-counted to satisfy requirements for any other major or minor.
8. In any case in which a course is required for both the major and the minor, the student must take three additional hours in the minor. These additional hours are to be selected by the student with the approval of the dean of the school.
9. A course in the minor may also be used to satisfy

a general education requirement. If, however, the course is required for the major also, a substitute course is to be selected for the minor with approval of the dean of the school offering the minor.

10. Certification must be completed by the dean of the school in the semester of graduation.
11. Students who complete the requirements for a minor after having been awarded a degree must be currently enrolled at St. Edward's during the semester in which the certification is completed and the minor posted to the academic record.

## Graduation Requirements

In addition to meeting the major and minor (if any) requirements, every graduate must do the following:

1. Complete a minimum of 120 semester hours of degree credit, including all required courses; only courses numbered 1000 or higher may count toward graduation. **Courses repeated to achieve a required grade of C are to be counted only once toward the degree even though cumulative hours on the transcript and on grade reports include all attempts resulting in a passing grade.**
2. Earn an average of C (2.0), both for cumulative work and work in the major field(s) and the minor field(s) (if any).
3. Satisfy all basic proficiency requirements and the freshman writing proficiency requirement (page 39).
4. Satisfy all general education requirements (page 37).
5. Complete a minimum of 30 hours at St. Edward's University.
6. Complete 30 of the last 50 hours of credit toward the degree in residence at St. Edward's. (See also Credit by Examination, page 31.) A student must be enrolled at St. Edward's for the semester of graduation. A student must apply for graduation the semester in which the student intends to graduate. An exception to this policy is the 3+2 Engineering partnership program.
7. Initiate certification of each major and minor with the dean of the school offering that program. Deadlines for requesting certification are determined by the school deans. The signed certification(s) must arrive in the Office of the Registrar by the published university-wide certification deadline for that term.
8. Ensure that official transcripts for courses completed in past terms are submitted to the Office of the Registrar *no later than the published university-wide certification deadline* for that term. Failure to submit such transcripts will nullify the graduation certification and preclude participation in the ceremony for that term.
9. Ensure that all credit by examination scores are submitted to the Office of the Registrar by July 1 for

summer term graduation, Oct. 1 for fall semester graduation and March 1 for spring semester graduation. Test scores may take up to six weeks to arrive.

In addition, the following conditions pertain:

1. Participation in commencement is based on verification of eligibility by the school dean's office. Students should check with their school for specific deadlines. Failure to meet the published verification deadline will preclude participation in the ceremony.
2. In order for the **diploma** to be granted and transcripts to be issued, the student must have met all of his or her financial obligations to the university. Additionally, all Perkins, Stafford, and Federal Direct Student Loan borrowers must have completed the appropriate Exit Loan Counseling session, as required by federal law.
3. The diploma will be issued bearing the name on the academic record. Changes must be received in the Office of the Registrar by the specified deadline, or a reprinting fee will be charged.

*Diplomas conferred by St. Edward's University reflect the degree type only. Therefore, the major will not be printed on the diploma.*

## Graduation Certification

Students who anticipate graduating in the next term are responsible for completing the application for graduation through their myHilltop account, and initiating contact with their school dean's office. The application process opens with early registration for the next term and closes on the official headcount day (see the academic calendar for specific dates). Students who fail to meet certification deadlines will be required to apply to graduate during the following term.

## Graduation Honors

Degrees conferred by St. Edward's University are granted with certain distinctions: *Cum Laude* for a grade point average of 3.5, *Magna Cum Laude* for 3.7 and *Summa Cum Laude* for 3.9. Regardless of which *Bulletin* students complete their degree under, the minimum requirement for graduating with honors is as stated above. A student must complete 60 credit hours in residence at St. Edward's with the appropriate grade point average in order to be eligible for graduation with honors. Credit by examination may not be counted in the 60 hours for graduation honors. Students who enter under the **Fresh Start** policy (see page 6) are eligible to graduate with honors if the work completed following their Fresh Start admittance meets the minimum GPA and number of credit hours set for graduating with honors.

Honors information printed in the university graduation program and announced at the graduation ceremony is

based on the cumulative grade point average *at the end of the preceding semester*. The requirement for hours is calculated using cumulative and attempted hours at St. Edward's.

Honors distinction, as printed on the diploma and transcript, is determined by the *final* cumulative grade point average and *final* cumulative hours at St. Edward's.

The year's graduating class is made up of all those who have completed their degrees in August, December and May of the academic year. The highest academic award is **valedictorian** of the graduating class. Criteria used in selection of the valedictorian include the cumulative grade point average (at the end of the preceding semester for May graduates and at the date of graduation for August and December graduates), exemplification of the mission statement and the number of credit hours earned at St. Edward's.

**Note:** *Honors for New College students are awarded according to the criteria listed in the New College Bulletin.*

## Dean's List

The Dean's List is published for each long semester. To attain this mark of distinction, in the previous semester the student must have earned at least 12 credits in courses numbered 1000 and above (with at least nine of those credits taken for a grade) and have achieved at least a 3.5 semester GPA.

Honorable mention is given to those students who, in the previous semester, achieved at least a 3.25 semester GPA in courses numbered 1000 and above, regardless of the number of hours taken.

Certificates of achievement are printed for each student on the Dean's List: mid-March for the previous fall semester and mid-June for the spring semester. Dean's List students are notified by email when certificates are available in the Associate Vice President for Academic Affairs Office, Main Building 116. The lists are also posted on the web under the Associate Vice President for Academic Affairs web page.

**Note:** *Dean's List for New College students is awarded according to the criteria listed in the New College Bulletin.*

## Family Educational Rights and Privacy Act of 1974

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day St. Edward's University receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official a written request that identifies the record(s) the student wishes to inspect. The school official will



make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The school discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by St. Edward's University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of St. Edward's University who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for St. Edward's University.

Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The right to file a complaint with the U.S. Department

of Education concerning alleged failures by St. Edward's University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202

See the list below for the information that St. Edward's University has identified as directory information that may be released without consent:

Name; permanent and local addresses; email address; phone number(s); place of birth; major, minor or certificate; class; anticipated degree and completion date; degree and date conferred; dates of attendance; current and previously registered hours; previously attended institutions; photos/images; officially recognized sports participation, including height and weight of team members; awards; and honors.

A student has the right to prevent disclosure of directory information by filing a Request to Withhold Directory Information form with the Office of the Registrar. Such requests remain in force until rescinded in writing by the student, former student or alumnus/a.

FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:

- To other school officials, including teachers, within St. Edward's University whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local educational authorities, such as a state postsecondary authority that is responsible for supervising the

---

university's state-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of federal- or state-supported education programs, or for the enforcement of or compliance with federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)

- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the school has designated as "directory information" under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged

perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))

- To parents of a student regarding the student's violation of any federal, state, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15)) Revised 12/01/2011

## **Name Change on Academic Records**

It is the policy of the Office of the Registrar at St. Edward's University not to change the official name on academic records for current or former students without (1) a marriage license with the new name specified, (2) a divorce decree specifically stating that the student's married name will revert to the name used prior to the marriage and identifying the name, or (3) a court order specifying a name change and identifying the new legal name of the individual.

If upon entry to the university the student's name is determined to be incorrect, the name will be changed to the student's legal name.

## **Student Right-to-Know**

In compliance with federal Student Right-to-Know regulations, information pertaining to graduation rates (nonathlete cohort data) may be obtained from the Office of the Registrar during regular business hours.

## **Student Voter Registration Information**

In compliance with federal and state statutes, St. Edward's University hereby notifies enrolled students that they may obtain voter registration information and a voter registration application by accessing the website of the Office of the Secretary of State for the State of Texas at [www.sos.state.tx.us](http://www.sos.state.tx.us).

# CURRICULUM DESIGN

The curriculum at St. Edward's University is heavily influenced by the institution's mission statement. In particular, the mission statement commits us to a balanced education that stresses critical and creative thinking, moral reasoning, communicating, problem solving and assuming social responsibility. We believe that the skills, knowledge and understanding our graduates derive from this education will enable them to make long-lasting contributions to a rapidly changing world. They will leave St. Edward's as productive, independent and open-minded members of society, committed to using their education to solve problems and improve the quality of human life. There are two general components of a St. Edward's education: a broad study of the liberal arts and an in-depth study of a major discipline selected by the student.

## General Education

The general education component consists of 57 credit hours spanning all four years. At the core of this component is a series of courses, several of them interdisciplinary, called Cultural Foundations.

In their first year, students are introduced to the university and the Liberal Arts tradition in **Freshman Studies**. In this course, freshmen choose a section of Introduction to the Liberal Arts (FSTY 1310), which is linked to a writing class (FSTY 0307, 0308, 1311 or 1313, depending on their English placement or transfer credits). Writing classes use small-group and workshop approaches to help students reflect on and write about issues introduced in FSTY 1310. Students who have not transferred in college writing credit will complete a second writing course in their first year. In addition, College Mathematics, Computational Skills and Oral Communication are recommended for freshmen. Students then begin to study American history and culture from two different perspectives in sequence. In the American Experience, they examine the struggles, achievements, and perspectives of marginalized groups in U.S. history.

In the **sophomore year**, students continue the sequence by taking American Dilemmas, in which they employ social science methods to investigate the problems facing American society and formulate solutions to those problems. The sophomore year is an appropriate time to study the natural sciences, first in depth in a science of the student's choice and then in breadth in Science in Perspective.

In the **junior year**, students take two courses that will ensure that they achieve a significant amount of global experience and understanding. They learn the history and evolution of global processes, focusing on global economics, global politics and cultural issues in a global society. Then they investigate contemporary world

issues and their impact on non-U.S. areas of the world. Concurrent with these studies of global issues, students examine moral reasoning in a general ethics course or in an ethics course that is applied to their major area of study.

In addition to the courses already mentioned, each St. Edward's student is required to take at least six credit hours in a modern language, three credit hours in Philosophy or Religious Studies, and a minimum of one literature course and one course in the arts.

The general education curriculum culminates in the **Capstone Course**, taken after completion of 75 hours, in which students hone and showcase key skills they have been developing throughout their St. Edward's University careers, including online and field research, written and oral communication, and critical thinking and moral reasoning. The Capstone Course is grounded in the university mission statement and seeks to prepare students for the challenges they will face in the complex world of the 21st century. The Capstone project requires students to choose a current social controversy and policy solution; neutrally research the positions taken by stakeholders in that controversy; analyze the arguments and moral reasoning for those positions; propose a solution; perform a civic engagement activity that supports their solution or lends perspective to their research; and present their research and field experiences in both written and oral form.

## General Policies

1. Students entering St. Edward's University as first-semester freshmen *must take all starred (\*)* courses listed below at St. Edward's. Transfer students must take at St. Edward's each starred course for which they have not completed substitute course(s) prior to their initial registration at St. Edward's. (For a list of transfer courses that satisfy the general education requirements, see page 30–31.)
2. Any general education course that is required for a major or minor may be used to satisfy both the major or minor requirement and the general education requirement.
3. Each of the following courses must be taken for a letter grade if used to satisfy a general education requirement: (1) the two English composition courses; (2) Oral Communication; (3) College Mathematics; (4) Computational Skills; (5) Ethics; (6) Cultural Foundations (CULF) 1320, 2321, 3330 and 3331; (7) Science in Perspective (SCIE) 2320; and (8) Capstone Course 4360. Other general education courses may be taken pass/no pass under the rules given on page 29.

**To fulfill the general education requirement, a minimum grade of C is required for the English composition classes, College Mathematics and Computational Skills.**

## FOUNDATIONAL SKILLS

Rhetoric and Composition I and II	6 hrs
College Mathematics†	3 hrs
Computational Skills†	3 hrs
Oral Communication	3 hrs
Modern language††	<u>6 hrs</u>
	<b>21 hrs</b>

## CULTURAL FOUNDATIONS

CULF 1318	Literature and Human Experience	3 hrs
CULF 1319	Understanding & Appreciating the Arts	3 hrs
CULF 1320*	The American Experience	3 hrs
CULF 2321*	American Dilemmas	3 hrs
CULF 3330* #	History and Evolution of Global Processes	3 hrs
CULF 3331* #	Contemporary World Issues	<u>3 hrs</u>
		<b>18 hrs</b>

## FOUNDATIONS FOR VALUES AND DECISIONS

FSTY 1310*	Introduction to the Liberal Arts	3 hrs
Ethics		3 hrs
Religious Studies/Philosophy		3 hrs
SCIE 2320*	Science in Perspective	3 hrs
Science in Depth		<u>3 hrs</u>
		<b>15 hrs</b>
CAPS 4360*	Capstone Course	<u>3 hrs</u>
<b>Total</b>		<b>57 hrs</b>

† For additional information, see page 40.

†† For additional information, see page 32.

# An approved Study Abroad course may substitute.

The reasoning and communication skills and the understanding of society that these general studies develop are reinforced in each student's in-depth study of a major discipline. The programs available for study at St. Edward's are listed below and described in detail on pages 43–105.

## Majors, Minors, Pre-Professional, Professional and Certificate Programs

All students at St. Edward's must fulfill the requirements for a major in order to graduate. Students may also choose to pursue one or more minors, pre-professional programs or certificates. (*Page numbers for majors in Teacher Certification are shown in italics.*)

<b>Majors.....</b>	<b>Degree.....</b>	<b>Page</b>
Accounting.....	(BBA).....	43
Accounting Information		
Technology Program .....	(BBA and BA) .....	43
Acting.....	(BFA).....	104

Art .....	(BA) .....	44, 101
Behavioral Neuroscience.....	(BS).....	46
Biochemistry .....	(BS).....	46
Bioinformatics.....	(BS).....	47
Biology .....	(BA, BS) .....	47, 99
Business Administration .....	(BBA).....	49
Catholic Studies.....	(BA) .....	50
Chemistry .....	(BA, BS) .....	51, 100
Communication .....	(BA) .....	52
Computer Information Science .....	(BA) .....	53
Computer Science .....	(BA, BS) .....	54
Criminal Justice .....	(BA) .....	55
Criminology.....	(BA) .....	56
Digital Media Management .....	(BBA).....	57
Economics .....	(BA, BBA) .....	58
Engineering.....	(BS).....	59
English Language Arts and Reading* (BA) .....		97, 98, 100
English Literature.....	(BA) .....	60
English Writing and Rhetoric.....	(BA) .....	62
Entrepreneurship .....	(BBA).....	64
Environmental Chemistry.....	(BS).....	65
Environmental Science and Policy..	(BS).....	65
Finance.....	(BBA).....	66
Forensic Chemistry.....	(BS).....	66
Forensic Science.....	(BS).....	67
French .....	(BA) .....	68
Global Studies.....	(BA) .....	70
Graphic Design.....	(BA) .....	71
History .....	(BA) .....	71, 100
Interactive Games Management ....	(BBA).....	72
Interactive Games Studies.....	(BA) .....	72
Interdisciplinary Studies .....	(BA, BS, BBA).....	73
International Business.....	(BBA).....	74
Kinesiology .....	(BA) .....	76, 101
Liberal Studies.....	(BA) .....	79
Management.....	(BBA).....	80
Marketing .....	(BBA).....	81
Mathematics .....	(BA, BS) .....	81, 98, 100
Medical Laboratory Science .....	(BS).....	82
Philosophy .....	(BA) .....	84
Photocommunications .....	(BA) .....	85
Political Science.....	(BA) .....	85
Psychology .....	(BA, BS) .....	88
Religious and Theological Studies...	(BA) .....	88
Social Studies*.....	(BA) .....	99
Social Work.....	(BA) .....	90
Sociology.....	(BA) .....	90
Spanish.....	(BA) .....	90, 101
Spanish Language Arts and Reading* (BA) .....		97
Special Education* .....	(BA) .....	99
Theater Arts .....	(BA) .....	102, 103

\*Majors available *only* to students concurrently seeking certifications in Education.



<b>Minors .....</b>	<b>Page</b>
Accounting.....	43
Art .....	45
Art History.....	45
Biology.....	49
Business Administration .....	50
Catholic Studies.....	51
Chemistry .....	52
Communication .....	53
Computer Science .....	55
Criminal Justice .....	56
Criminal Justice/Pre-Law .....	56
Criminology.....	57
Economics .....	59
English Literature.....	61
English Writing and Rhetoric.....	63
Environmental Science and Policy .....	66
Forensic Science.....	68
French .....	69
German .....	69
Global Studies.....	71
Graphic Design.....	71
History .....	72
International Business.....	75
Jewish Studies .....	75
Journalism.....	76
Kinesiology .....	78
Kinesiology/Coaching Emphasis.....	79
Mathematics .....	82
Music .....	83
Music Theater .....	83
Philosophy .....	84
Photocommunications .....	85
Political Science.....	86
Professional Ethics .....	87
Psychology .....	88
Religious and Theological Studies.....	88
Social Welfare.....	89
Sociology.....	90
Spanish.....	92
Teacher Education .....	98, 99, 101, 102
Theater Arts .....	104
Women's Studies .....	105
<b>Pre-Professional Programs.....</b>	<b>Page</b>
Pre-Dental.....	86
Pre-Engineering .....	86
Pre-Law .....	86
Pre-Medical.....	86
Pre-Physical Therapy .....	77
<b>Professional Programs.....</b>	<b>Page</b>
Athletic Training .....	76

Teacher Certification .....	93
-----------------------------	----

<b>Certificate Program .....</b>	<b>Page</b>
Computer Science .....	55

**New College** offers the BA, BBA or BS for the majors listed above. It also offers selected undergraduate majors exclusive to the New College program. See the *New College Bulletin* for further information.

## Other University Requirements

In addition to the successful completion of general education and the requirements of a major, each student must satisfy the following general university requirements in order to obtain a degree:

1. The English writing proficiency requirements
2. The quantitative skills requirements
3. Completion of additional courses numbered 1000 or above for an overall total of at least 120 hours.

Those entering freshmen whose SAT, ACT or placement test scores indicate a need to strengthen their proficiency in English and/or mathematics are required to take one or more courses that do not count toward the degree (see Academic Support Courses, page 22).

### English Writing Proficiency

It is a concern of the university that all students have the necessary skills to successfully undertake their college studies. Therefore, based on their performance on the SAT or ACT, freshman students will be judged to have demonstrated entry-level competency in writing and reading or will be required to pass one or more courses designed to help them improve these skills and reach the required level of proficiency (see Academic Support Courses, page 22). Transfer students who have not been awarded transfer credit for English 1301 will be required to take a placement test prior to their initial registration.

Though the university does not operate an intensive English program on campus, it does recognize the need to assist students whose primary language is not English in making the transition to reading and writing in English. Therefore, testing and assessment of skill level are completed following admission and preceding registration at the university. Some students may be required to enroll in developmental classes in conjunction with an appropriate academic load.

### Freshman Writing Proficiency

Students pursuing a degree at St. Edward's University are required to enroll in and successfully meet the requirements of two semesters of freshman composition: Rhetoric and Composition I and Rhetoric and Composition II. To demonstrate freshman writing proficiency, students must earn a C or higher in these courses. *The freshman writing proficiency requirement must*

---

*be satisfied by the time the student has completed 45 semester hours of courses numbered 1000 or higher.*

Students entering St. Edward's as first-time freshmen must take at least one semester of freshman writing on campus. Students who enroll with AP or dual-enrollment writing credit will take ENGW 1302 or FSTY 1313. (AP and dual-enrollment credits will be honored as college credits but cannot fulfill the entire six-credit-hour freshman writing proficiency requirement.)

Transfer students may satisfy this requirement by transferring courses equivalent to ENGW 1301 and 1302 with grades of C or higher. A transfer student who receives transfer credit for ENGW 1302 but not ENGW 1301 must earn credit for ENGW 1301 by passing the course with a minimum grade of C or by making an acceptable score on the CLEP College Composition test.

## **Quantitative Skills**

Upon registration at St. Edward's, incoming students will be assigned one of four mathematical placements, based on SAT/ACT math subscores, prior transcripts, and/or AP credits: Developmental (MATH 0309, see Mathematics Skills, page 23), College Math (MATH 1312 or 1314), Precalculus (MATH 2312), or Calculus (MATH 2313 or higher). A Math Placement Test may be administered during orientation for students who wish to

challenge their initial placement, or for students who lack the necessary test scores to determine placement.

A *transfer* student who has met the College Mathematics and Computational Skills requirements (see below) prior to entering St. Edward's will be exempt from the Math Placement Test if equivalency has been established by the Registrar's Office and/or the dean of the school. Otherwise, the student must pass the Math Placement Test in the semester of initial registration and before registering for any Mathematics, Statistics or Computer Science course at St. Edward's.

### *College Mathematics and Computational Skills*

In order to help graduates acquire the quantitative skills necessary for functioning effectively in society, all students will be required to complete with a grade of C or higher one course from each of these two groups:

- I. College Mathematics: MATH 1312, 1314, 1348, 2312, 2313 or 2314
- II. Computational Skills: BUSI 2305, COSC 1301, 1313, 1318, or 1323/1123, MATH 3320 or 3334, POLS 3328, PSYC 2317, or SOCI 2329.  
EDUC 2332 satisfies the Computational Skills requirement *only* for students completing the Teacher Education minor.

# COURSE REQUIREMENTS FOR MAJORS AND MINORS

## Majors and Minors by Schools

Course requirements for programs offered are on the following pages. Major and minor programs are listed here in alphabetical order *by schools*. An alphabetical listing of all majors with degree(s) offered in each and an alphabetical listing of all minors are on pages 38–39.

Interdisciplinary Studies.....	73
--------------------------------	----

### THE BILL MUNDAY SCHOOL OF BUSINESS

#### *Majors*

Accounting .....	43
Accounting Information Technology Program.....	43
Business Administration .....	49
Digital Media Management.....	57
Economics .....	58
Entrepreneurship .....	64
Finance .....	66
Interactive Games Management .....	72
International Business.....	74
Management.....	80
Marketing.....	81

#### *Minors*

Accounting .....	43
Business Administration .....	50
Economics .....	59
International Business.....	75

### SCHOOL OF BEHAVIORAL AND SOCIAL SCIENCES

#### *Majors*

Behavioral Neuroscience.....	46
Criminal Justice .....	55
Criminology .....	56
Environmental Science and Policy.....	65
Forensic Science.....	67
Global Studies.....	70
History.....	71
Political Science .....	85
Psychology .....	88
Social Work .....	90
Sociology .....	90

#### *Minors*

Criminal Justice .....	56
Criminal Justice/Pre-Law .....	56
Criminology .....	57
Environmental Science and Policy.....	66
Forensic Science.....	68
Global Studies.....	71
History.....	72

Political Science .....	86
Psychology .....	88
Social Welfare .....	89
Sociology .....	90

### SCHOOL OF EDUCATION

#### *Majors*

Art (EC–12) .....	101
Biology (Life Science) (7–12) .....	99
Chemistry (7–12) .....	100
English Language Arts and Reading (EC–6).....	97
English Language Arts and Reading (4–8).....	98
English Language Arts and Reading (7–12).....	100
History (7–12) .....	100
Kinesiology .....	76, 101
Mathematics (4–8) .....	98
Mathematics (7–12) .....	100
Social Studies (4–8) .....	99
Spanish (EC–12) .....	101
Spanish Language Arts and Reading (EC–6).....	97
Special Education (EC–12 and EC–6) .....	98
Theater Arts (EC–12) .....	102

#### *Minors*

Kinesiology .....	78
Kinesiology/Coaching Emphasis.....	79
Teacher Education .....	98, 99, 101, 102

### SCHOOL OF HUMANITIES

#### *Majors*

Acting .....	104
Art .....	44
Catholic Studies.....	50
Communication .....	52
English Literature .....	60
English Writing and Rhetoric .....	62
French.....	68
Graphic Design.....	71
Interactive Games Studies.....	72
Liberal Studies .....	79
Philosophy .....	84
Photocommunications.....	85
Religious and Theological Studies.....	88
Spanish .....	90
Theater Arts .....	103

#### *Minors*

Art .....	45
Art History .....	45
Catholic Studies.....	51

---

Communication .....	53
English Literature .....	61
English Writing and Rhetoric .....	63
French.....	69
German.....	69
Graphic Design.....	71
Jewish Studies .....	75
Journalism.....	76
Music.....	83
Musical Theater .....	83
Philosophy .....	84
Photocommunications.....	85
Professional Ethics .....	87
Religious and Theological Studies.....	88
Spanish .....	92
Theater Arts .....	104
Women's Studies .....	105

## **SCHOOL OF NATURAL SCIENCES**

### ***Majors***

Biochemistry .....	46
Bioinformatics .....	47
Biology.....	47
Chemistry .....	51
Computer Information Science .....	53
Computer Science .....	54
Engineering .....	59
Environmental Chemistry .....	65
Forensic Chemistry.....	66
Mathematics .....	81
Medical Laboratory Science.....	82

### ***Minors***

Biology.....	49
Chemistry .....	52
Computer Science .....	55
Mathematics .....	82



## Accounting

Accounting is the financial language of business. Accounting provides useful information to business decision makers such as shareholders, investors, creditors and managers.

The Accounting major at St. Edward's University prepares students for careers in public, private or government accounting.

### ***Do your career goals include becoming a Certified Public Accountant?***

The Texas Public Accountancy Act requires a 150-credit-hour educational program to sit for the CPA examination. The student and advisor can consider various options for meeting the 150-hour requirement at St. Edward's University. Options include pursuing the Accounting Information Technology degree, pursuing the integrated 150-hour BBA/MACT degree program (see the Graduate Bulletin for details) or pursuing a double major. Students should consult with their advisor to determine the one that best satisfies the student's goals

**Undergraduate business courses contain a content-relevant ethics component.**

**Note:** *If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Accounting

### ***General Education Supportive Requirements***

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u> <b>6 hrs</b>

### ***Business Core Requirements***

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u> <b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### ***Accounting Required Courses***

ACCT 3331	Intermediate Accounting I	3 hrs
ACCT 3332	Intermediate Accounting II	3 hrs
ACCT 3333	Cost Accounting	3 hrs
ACCT 3334	Federal Taxation	3 hrs
ACCT 4343	Auditing	3 hrs
ACCT 4346	Accounting Information Systems	3 hrs

*Choose one of the following:*

ACCT 4342	Governmental and Nonprofit Accounting	3 hrs
ACCT 4350	Accounting Internship	<u>3 hrs</u> <b>21 hrs</b>

### **TOTAL MAJOR HOURS**

**66 hrs**

### ***Electives***

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

### ***Requirements for a Minor in Accounting***

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
ACCT 3331	Intermediate Accounting I	3 hrs
ACCT 3332	Intermediate Accounting II	3 hrs
ACCT 3333	Cost Accounting	3 hrs
ACCT 3334	Federal Taxation	3 hrs
ACCT 4346	Accounting Information Systems	<u>3 hrs</u> <b>21 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

## Accounting Information Technology Program

The undergraduate curriculum in Accounting and Computer Information Technology is designed to provide the basic education necessary for graduates to pursue careers in business as information systems professionals or accountants.

The AIT program is a dual-degree five-year program offered by The Bill Munday School of Business and the School of Natural Sciences, which confer a BBA in Accounting and a BA in Computer Information Technology.

The coursework in this program may meet the 150-hour minimum education requirements for eligibility to sit for the Certified Public Accountant (CPA) examination in the state of Texas. Further, as a CPA, a candidate could qualify for an additional American Institute of Certified Public Accountants (AICPA) accreditation, the Certified Information Technology Professional (CITP) designation. Applicants planning to sit for the Texas CPA exam should consult a member of the Accounting faculty to help them plan their program of study.

**Undergraduate business courses contain a content-relevant ethics component.**

***Note:** If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## **Bachelor of Business Administration with a Major in Accounting and Bachelor of Arts with a Major in Computer Information Technology**

### **General Education Supportive Requirements**

COSC 1313	Introduction to Information Systems	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>

**6 hrs**

### **Business Core Requirements**

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>

**39 hrs**

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### **Accounting Required Courses**

ACCT 3331	Intermediate Accounting I	3 hrs
ACCT 3332	Intermediate Accounting II	3 hrs
ACCT 3333	Cost Accounting	3 hrs
ACCT 3334	Federal Taxation	3 hrs
ACCT 4343	Auditing	3 hrs

*Choose one of the following courses:*

ACCT 4342	Governmental and Nonprofit Accounting	3 hrs
ACCT 4350	Accounting Internship	<u>3 hrs</u>

**18 hrs**

### **Computer Information Technology Required Courses**

ACCT 4346	Accounting Information Systems (replaces CISC elective)	3 hrs
MATH 2315	Discrete Mathematics	3 hrs
COSC 1323, 1123	Computing Sciences Concepts I, Lab	4 hrs
COSC 2325, 2125	Computing Sciences Concepts II, Lab	4 hrs
COSC 2331	Introduction to Computer Organization	3 hrs

ACCT 3335	Data Storage Systems	3 hrs
ACCT 3337	Database Theory and Applications	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 4351	Human-Computer Interaction	3 hrs
ACCT 4157	Research	1 hr
ACCT 4359	Senior Project	<u>3 hrs</u>

**33 hrs**

### **TOTAL MAJOR HOURS**

**96 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 150 hours for graduation.*

## **Acting**

*(See under **Theater Arts**, page 104.)*

## **Art**

The Art curriculum is structured to provide maximum freedom and flexibility within an atmosphere that encourages experimentation, independent thought and dialogue among students and faculty. Students receive a strong foundation in design, drawing and art history and have the opportunity to experiment in a variety of mediums.

The Fine Arts Exhibition program offers students frequent exposure to a variety of art and artists from the region and beyond. Art majors receive class instruction in portfolio development and direct experience in exhibition design and installation. Our internship program acquaints junior- and senior-level students with the practical experience of working with artists in their studios and with art professionals in the workplace. After completing 18 hours of studio art courses, all Art majors are required to complete a portfolio review. In addition, Art majors are required to exhibit publicly in their senior year as part of their graduation requirements.

## **Bachelor of Arts with a Major in Art**

### **Art Required Courses**

VISU 1100	First Year Seminar in Visual Studies	1 hr
VISU 1311	Visual Studies I	3 hrs
ARTS 1311	Foundation Art and Design	3 hrs
ARTS 1316	Drawing I	3 hrs
ARTS 1318	Clay I	3 hrs
ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
GDES 2321	Image Methodology	3 hrs
ARTS 2332	Drawing II	3 hrs
ARTS 3319	Painting I	3 hrs
ARTS 3326	Sculpture I	3 hrs
ARTS 3329	Printmaking: Intaglio	
or		
ARTS 3334	Printmaking: Relief	3 hrs
ARTS 3336	Life Drawing	3 hrs
ARTS 3339	Modern Art History	3 hrs

ARTS 3340	Issues in Contemporary Art	3 hrs	ARTS 3334	Printmaking: Relief	3 hrs
ARTS 3060	Portfolio Review	0 hrs	ARTS 3335	Watercolor II	3 hrs
ARTS 4346	Senior Portfolio Seminar	3 hrs	ARTS 3336	Life Drawing	3 hrs
ARTS 4070	Senior Exhibition	<u>0 hrs</u>	ARTS 3337	Painting II	3 hrs
		<b>46 hrs</b>	ARTS 3338	Clay II	3 hrs

### ***Electives***

*Select six hours from the following:*

ARTS 2366	Watercolor I	3 hrs	ARTS 3399	Topics in Art	3 hrs
ARTS 2399	Topics in Art	3 hrs	ARTS 3333	Drawing from Nature	3 hrs
ARTS 3333	Drawing from Nature	3 hrs	ARTS 3335	Watercolor II	3 hrs
ARTS 3335	Watercolor II	3 hrs	ARTS 3337	Painting II	3 hrs
ARTS 3337	Painting II	3 hrs	ARTS 3338	Clay II	3 hrs
ARTS 3338	Clay II	3 hrs	ARTS 3349	Topics in Art History	3 hrs
ARTS 3349	Topics in Art History	3 hrs	ARTS 3399	Topics in Art	3 hrs
ARTS 3399	Topics in Art	3 hrs	ARTS 4341	Advanced Drawing	3 hrs
ARTS 4341	Advanced Drawing	3 hrs	ARTS 4342	Advanced Painting	3 hrs
ARTS 4342	Advanced Painting	3 hrs	ARTS 4344	Advanced Clay	3 hrs
ARTS 4344	Advanced Clay	3 hrs	ARTS 4345	Advanced Printmaking	3 hrs
ARTS 4345	Advanced Printmaking	3 hrs	VISU 3399	Topics in Visual Studies	<u>3 hrs</u>
ARTS 4350	Internship	3 hrs			<b>9 hrs</b>
ARTS 4399	Topics in Art	3 hrs			<b>24 hrs</b>
PHCO 3324	History of Photography	3 hrs			
VISU 3399	Topics in Visual Studies	<u>3 hrs</u>			
		<b>6 hrs</b>			

**TOTAL** **24 hrs**

See also **Graphic Design**, page 71.

## **Art History**

The art object may be understood both as an entity within itself and as the subject of a context that may include political, religious, semiotic, economic and/or sociological forces — among others. Art history provides the means (concepts, vocabulary, sources, techniques, comparatives and methodologies) and the background (artistic, historical and cross-cultural) to appreciate, comprehend and articulate the object-as-object and the object as cultural product. The Art History program, accordingly, offers the means of studying the object as the outcome both of artistic expression and of cultural motivations. Courses range from introductory surveys to in-depth studies focused by period or thematic subject to topic courses driven by issues, theory or methodology.

Art History courses offer a history of visual culture fundamental to various other disciplines and the methodological skills necessary to critically engage “the object” — whether the object is an installation in the The Contemporary Austin, a Shang ritual bronze vessel or a Dada photomontage. Included in the study of art history, moreover, are such issues as museology, the market, censorship and historiography — all inherent (but often unrecognized) in our engagement with the artwork. The Art History minor provides students the opportunity to pursue work in this field and acquire related skills.

The Art History minor requires 12 hours of core coursework with an additional 9 hours of coursework chosen from the list of Art History electives below.

## **Requirements for a Minor in Art History**

### ***Required Courses***

ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
ARTS 3339	Modern Art	3 hrs
ARTS 3340	Issues in Contemporary Art	<u>3 hrs</u>
		<b>12 hrs</b>

## **TOTAL MAJOR HOURS**

**52 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Art**

### ***Required Courses***

Art Core Curriculum		
ARTS 1311	Foundation Art and Design	3 hrs
ARTS 1316	Drawing I	3 hrs
ARTS 1318	Clay I	3 hrs
ARTS 2303	Art History I	
or		
ARTS 2304	Art History II	<u>3 hrs</u>
		<b>12 hrs</b>

### ***Electives***

*Select three hours from the following:*

ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
ARTS 2332	Drawing II	3 hrs
ARTS 2366	Watercolor I	<u>3 hrs</u>
		<b>3 hrs</b>

*Select nine hours from the following:*

ARTS 3319	Painting I	3 hrs
ARTS 3326	Sculpture I	3 hrs
ARTS 3329	Printmaking: Intaglio	3 hrs
ARTS 3333	Drawing from Nature	3 hrs

### ***Elective Courses (at least one elective must be upper-division)***

ARTS 3349	Topics in Art History (may repeat with changed topic)	3 hrs
PHCO 3324	History of Photography	3 hrs
PHCO 3322	Styles and Themes (pre-approved history of photography topics only)	3 hrs
PHIL 3310	Special Topics in Philosophy: Aesthetics	3 hrs
PHCO 4399	Senior Topics (pre-approved history of photography or art topics only)	<u>3 hrs</u>
	<b>TOTAL</b>	<b>21 hrs</b>

*Additionally, Art History minors are encouraged to take one or more studio courses (if not already part of their program) and more modern language than the two courses in the general education requirements, as well as courses in the humanities and a related field such as history.*

## **Behavioral Neuroscience**

### **Bachelor of Science with a Major in Behavioral Neuroscience**

The Behavioral Neuroscience major is a multidisciplinary program shared between the School of Behavioral and Social Sciences and the School of Natural Sciences, emphasizing the interactions between behaviors and neural, chemical and hormonal systems. The curriculum includes courses in psychology, biology, and chemistry that require mastery of scientific theories and laboratory skills. The major is ideal for students who are interested in professional or research careers in medicine, pharmaceuticals, veterinary medicine, animal science, neurology and neuroscience.

#### ***Psychology Required Courses***

PSYC 2301	General Psychology	3 hrs
PSYC 2307	Adolescent Psychology	
<i>or</i>		
PSYC 2308	Child Development	3 hrs
PSYC 2316	Theories of Personality	3 hrs
PSYC 2317	Statistics	3 hrs
PSYC 3319	Social Psychology	3 hrs
PSYC 3438	Research Methods with Lab	4 hrs
PSYC 4341	Abnormal Psychology	3 hrs
PSYC 4360	History and Systems of Psychology	3 hrs
PSYC 4359	*Research and Field Experience in Psychology	<u>3 hrs</u>
		<b>28 hrs</b>

*\*Students are required to complete neuroscience-related fieldwork for 4359 and complete a Capstone project related to those experiences.*

#### ***Psychology Supporting Required Courses***

PSYC 2326	Chemical Dependency Issues	3 hrs
PSYC 4442	Behavioral Neuroscience with Lab	4 hrs
PSYC 4343	Learning and Cognition	3 hrs
PSYC 4349	Topics in Psychology: Animal Behavior (BIOL 3341)	<u>3 hrs</u>
		<b>13 hrs</b>

### ***Natural Sciences Supporting Required Courses***

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 2335, 2135	Physiology, Lab	4 hrs
BIOL 4343	Neuroscience (with instructor approval) <i>or</i>	
BIOL 3345	Advanced Topics in Biology: Neuroscience and Mental Illness	3 hrs
CHEM 1340, 1140	General Chemistry, Lab	<u>4 hrs</u>
	<b>TOTAL MAJOR HOURS</b>	<b>22 hrs</b>
		<b>63 hrs</b>

*\* Students who complete the Behavioral Neuroscience major will also fulfill their Science in Perspective and Science in Depth requirements of the General Education curriculum.*

## **Biochemistry**

Biochemistry lies at the interface of biology and chemistry. It is a discipline that emphasizes a molecular approach to the study of biological processes. The St. Edward's program consists of an appropriate mix of Chemistry and Biology courses aimed at providing the student with a thorough grounding in the fundamental concepts of the discipline. This program will prepare the student for entry into professional schools serving the health professions, for graduate study in related disciplines and for careers in the field.

### **Bachelor of Science with a Major in Biochemistry**

Refer to the General Requirements for a Major on page 32.

#### ***Chemistry Required Courses***

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2000	Chemistry Seminar	0 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3242	Chemical Instrumentation Laboratory	2 hrs
CHEM 4343	Biochemistry I	3 hrs
CHEM 4344	Biochemistry II	3 hrs
CHEM 4245	Biochemistry Laboratory	2 hrs
CHEM 4157	Research (three times)	3 hrs
CHEM 3000+	Chemistry Elective	<u>3 hrs</u>
		<b>35 hrs</b>

#### ***Biology Required Courses***

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs



BIOL 4437	Cell Biology	4 hrs	MATH 3305	Linear Algebra	3 hrs
		<b>19 hrs</b>	MATH 3320	Applied Statistics	3 hrs
			MATH 3334	Prob./Theory Stats	<u>3 hrs</u>
					<b>19 hrs</b>
<b>Supporting Required Courses</b>					
MATH 2313, 2113	Calculus I, Lab	4 hrs	<b>Chemistry Required Courses</b>		
MATH 2314	Calculus II	3 hrs	CHEM 1340, 1140	General Chemistry, Lab	4 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab		CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
or			CHEM 2323, 2123	Organic Chemistry I, Lab	<u>4 hrs</u>
PHYS 2325, 2125	University Physics I, Lab	4 hrs			<b>13 hrs</b>
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab		<b>Supporting Required Courses</b>		
or			SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
PHYS 2326, 2126	University Physics II, Lab	4 hrs			<b>3 hrs</b>
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>	<b>Required Electives</b>		
		<b>18 hrs</b>	<b>Choose 11-12 hours, at least 5-6 hours are 3000+</b>		
<b>TOTAL MAJOR HOURS</b>		<b>72 hrs</b>	BIOL 2000+		

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Bioinformatics

Bioinformatics is the field of science in which biology, computer science and mathematics merge into a single discipline to solve biological questions. The decoding of hundreds of genomes, the development of microarrays and their tremendous promise in the pharmaceutical and medical fields, biomolecule structure prediction, and large-scale ecological and evolutionary studies are driving the need for students trained in bioinformatics.

### Bachelor of Science with a Major in Bioinformatics

Refer to the General Requirements for a Major on page 32.

#### Bioinformatics Required Courses

BINF 3325	Biological Programming	3 hrs
BINF 3411	Genomics	4 hrs
BINF 4410	Bioinformatics	4 hrs
BINF 4157	Research (4x)	<u>4 hrs</u>
		<b>15 hrs</b>

#### Computer Science Required Courses

COSC 1323, 1123	Computing Concepts I	4 hrs
COSC 2325, 2125	Computing Concepts II	4 hrs
COSC 3327	Algorithms and Data Structures	<u>3 hrs</u>
		<b>11 hrs</b>

#### Biology Required Courses

BIOL 1307, 1107	Cells, Genetics and Organ Systems	4 hrs
BIOL 1308, 1108	Organisms and Population Biology	4 hrs
BIOL 2334	Molecular Genetics	<u>3 hrs</u>
		<b>11 hrs</b>

#### Mathematics Required Courses

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2315	Discrete Mathematics	3 hrs

MATH 3305	Linear Algebra	3 hrs
MATH 3320	Applied Statistics	3 hrs
MATH 3334	Prob./Theory Stats	<u>3 hrs</u>
		<b>19 hrs</b>

#### Chemistry Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	<u>4 hrs</u>
		<b>13 hrs</b>

#### Supporting Required Courses

SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>3 hrs</b>

#### Required Electives

**Choose 11-12 hours, at least 5-6 hours are 3000+**

BIOL 2000+		
COSC 2000+		
CHEM 2000+		
MATH 2000+		
		<b>11-12 hrs</b>

### TOTAL MAJOR HOURS

**81-82 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Biology

Biology is the study of the processes that maintain life, as well as the events that disrupt it. The program at St. Edward's approaches the study of biology from the level of genes, through cells and organ systems, to populations. Teaching labs throughout the curriculum focus on experimentation, and students are given the opportunity to conduct independent scientific investigations. Summer research scholarships are available from faculty research grants, and presentation of findings at scientific meetings is encouraged and facilitated. Different degree tracks prepare students for entry to medical, dental and other schools in the health professions; graduate programs leading to doctorate or master's degrees in related disciplines; and exciting careers in fields such as biotechnology, ecology, neurophysiology and research. Each program allows students to study electives that are specific to their own interests. However, these electives may not be taken off-campus, except by permission from the Biology program. The requirements for each degree track are listed below.

### Bachelor of Science with a Major in Biology

Refer to the General Requirements for a Major on page 32.

Students who select the Bachelor of Science degree have two tracks from which to choose.

## Health Professions Track

The Health Professions Track prepares students for pursuing one of the many health professions (medicine, dentistry, optometry, veterinary medicine, physical therapy, etc.). The degree requirements include the prerequisites for most professional schools (see page 86) and are listed below. Information about requirements for specific medical, dental and veterinary schools is posted on the Biology program web page, with links to the Texas schools.

### Biology Required Courses

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 2335, 2135	Physiology, Lab	4 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs
BIOL 4437	Cell Biology	4 hrs
BIOL 4344	Evolution	<u>3 hrs</u>
		<b>26 hrs</b>

### Biology Electives (choose 13 hours, at least 7 of which are 3000+)

BINF 3411	Genomics	4 hrs
BIOL 2303, 2103	Human Anatomy, Lab	4 hrs
BIOL 2420	Entomology	4 hrs
BIOL 2324, 2124	Plant Biology, Lab	4 hrs
BIOL 2428	Vertebrate Biology	4 hrs
BIOL 2330	Epidemiology	3 hrs
BIOL 3316	Human Genetics	3 hrs
BIOL 3326	Neurobiology of Mental Illness	3 hrs
BIOL 3331	Virology	3 hrs
BIOL 3332	Immunology	3 hrs
BIOL 3341	Animal Behavior	3 hrs
BIOL 3145–3445	Advanced Topics in Biology	1–4 hrs
BIOL 3454	Developmental Biology	4 hrs
BIOL 3343	Neuroscience	3 hrs
BIOL 3156	Medical Terminology	1 hr
BIOL 4342, 4142	Population Biology and Ecology, Lab	4 hrs
BIOL 4146–4346	Independent Study	1–3 hrs
BIOL 4150–4350	Internship in Biology	1–3 hrs
BIOL 4157	Research	<u>1 hr</u>
		<b>13 hrs</b>

### Supporting Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs
CHEM 4343	Biochemistry I	3 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 3320	Applied Statistics	3 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs

PHYS 2321, 2126	Electricity and Magnetism, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>37 hrs</b>
<b>TOTAL MAJOR HOURS</b>		<b>76 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation. Fifteen hours of the general education requirements are satisfied by completion of the Biology requirements.*

## Graduate School Track

The Graduate School Track is designed to give students a strong background in Biology as well as research experience to prepare them for continuing their studies in graduate school.

### Biology Required Courses

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 2335, 2135	Physiology, Lab	4 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs
BIOL 4437	Cell Biology	4 hrs
BIOL 4342, 4142	Population Biology and Ecology, Lab	4 hrs
BIOL 4344	Evolution	3 hrs
BIOL 4157	Research	<u>1 hr</u>
		<b>31 hrs</b>

### Biology Electives (choose 12 hours, at least 2 of which are 3000+)

BINF 3411	Genomics	4 hrs
BIOL 2303, 2103	Human Anatomy, Lab	4 hrs
BIOL 2420	Entomology	4 hrs
BIOL 2324, 2124	Plant Biology, Lab	4 hrs
BIOL 2428	Vertebrate Biology	4 hrs
BIOL 2330	Epidemiology	3 hrs
BIOL 3316	Human Genetics	3 hrs
BIOL 3326	Neurobiology of Mental Illness	3 hrs
BIOL 3331	Virology	3 hrs
BIOL 3332	Immunology	3 hrs
BIOL 3341	Animal Behavior	3 hrs
BIOL 3343	Neuroscience	3 hrs
BIOL 3145–3445	Advanced Topics in Biology	1–4 hrs
BIOL 3454	Developmental Biology	4 hrs
BIOL 3156	Medical Terminology	1 hr
BIOL 4146–4346	Independent Study	1–3 hrs
BIOL 4157	Research	1 hr
BIOL 4150–4350	Internship in Biology	<u>1–3 hrs</u>
		<b>12 hrs</b>

### Supporting Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 4343	Biochemistry I	3 hrs

MATH 2313, 2113	Calculus I, Lab	4 hrs	PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs
MATH 3320	Applied Statistics	3 hrs	PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs	SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs			<b>30 hrs</b>
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>			<b>66 hrs</b>
		<b>33 hrs</b>			

**TOTAL MAJOR HOURS** **76 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation. Fifteen hours of the general education requirements are satisfied by completion of the Biology requirements.*

## Bachelor of Arts with a Major in Biology

Students selecting the Bachelor of Arts are afforded more latitude in the choice of general electives while gaining a good background in the field. This is especially helpful for students pursuing a double major, a biology education certification or admission to certain professional schools.

### Biology Required Courses

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2401	Human Anatomy and Physiology I	4 hrs
BIOL 2402	Human Anatomy and Physiology II	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs
BIOL 4342, 4142	Population Biology and Ecology, Lab	4 hrs
BIOL 4344	Evolution	<u>3 hrs</u>
	<b>TOTAL</b>	<b>30 hrs</b>

### Biology Electives (choose 6 hours, 3000+)

BINF 4311	Genomics	4 hrs
BIOL 3316	Human Genetics	3 hrs
BIOL 3326	Neurobiology of Mental Illness	3 hrs
BIOL 3331	Virology	3 hrs
BIOL 3332	Immunology	3 hrs
BIOL 3341	Animal Behavior	3 hrs
BIOL 3343	Neuroscience	3 hrs
BIOL 3145–3445	Advanced Topics in Biology	1–4 hrs
BIOL 3454	Developmental Biology	4 hrs
BIOL 3156	Medical Terminology	1 hr
BIOL 4437	Cell Biology	4 hrs
BIOL 4146–4346	Independent Study	1–3 hrs
BIOL 4157	Research	1 hr
BIOL 4150–4350	Internship in Biology	<u>1–3 hrs</u>
		<b>6 hrs</b>

### Supporting Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 3320	Applied Statistics	3 hrs

### TOTAL MAJOR HOURS

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation. Fifteen hours of the general education requirements are satisfied by completion of the Biology requirements.*

## Requirements for a Minor in Biology

This provides students the opportunity to minor in Biology while at the same time completing all the Biology prerequisites for medical or other health profession schools. A student, in consultation with a Biology faculty member, develops a customized group of elective courses that must be approved by the program faculty. A minimum of nine of those elective hours must be from upper-division classes, in accordance with university requirements.

Refer to the General Requirements for a Minor on page 33.

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 3000+	Electives	<u>10 hrs</u>
	<b>TOTAL (minimum)</b>	<b>21 hrs</b>

## Business Administration

The major in Business Administration provides students with the opportunity to build the knowledge, skills and experience required for fulfilling careers as business professionals. The program emphasizes leadership, critical thinking, decision making, problem solving, communicating, teamwork and management of self and others — all aimed at helping students become confident and capable people who will lead businesses and organizations in the 21st century.

**Undergraduate business courses contain a content-relevant ethics component.**

***Note:** If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Business Administration

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
-----------	--	-------

MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>
		<b>6 hrs</b>

### **Business Core Requirements**

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### **Business Administration Required Courses**

BUSI 3385	Internship	3 hrs
IBUS 4380	International Business	3 hrs
BUSI 4388	Strategic Business Analysis and Practice	3 hrs
Business Electives *		<u>9 hrs</u>
		<b>18 hrs</b>

*\* Any upper-division Business courses with no more than six hours from the same discipline. Students working with an advisor may choose to specialize in areas such as Human Resource Management, Entrepreneurship or Operations Management.*

**TOTAL MAJOR HOURS** **63 hrs**

### **Electives**

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

### **Requirements for a Minor in Business Administration**

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3330	Business Communication	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 3332	Human Resources Management	3 hrs

MKTG 2301	Principles of Marketing	<u>3 hrs</u>
	<b>TOTAL</b>	<b>27 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

## **Catholic Studies**

The Catholic Studies major seeks to educate students in the many paths of Catholic thought and culture. The major accomplishes this by engaging students in Catholic sacramental imagination and life through interdisciplinary study.

Rigorous examination of the role of Catholicism throughout the ages challenges students to appreciate Catholicism's theological and cultural interpenetration and its transformation of every aspect of spiritual, social and intellectual life.

The Catholic Studies curriculum will especially appeal to Catholic students who seek to deepen their knowledge of Catholicism's rich and living heritage. An interpersonal approach and opportunities for sustained reflection on important issues invite students to a more profound and mature experience of faith.

In light of Ex corde Ecclesiae, the Catholic Studies major enhances student appreciation for the dignity of the human person as created in the image of God.

### **Bachelor of Arts with a Major in Catholic Studies**

#### **Catholic Studies Required Courses**

RELS 1101	Methods in Religious Studies	1 hr
CATH 1316	Introduction to Catholicism	3 hrs
CATH 2322	Introduction to the New Testament	3 hrs
CATH 2323	Justice, Peace and Liberation	3 hrs
CATH 2340	The Documents of Vatican II	3 hrs
CATH 3305	Catholic Intellectual Heritage	3 hrs
CATH 3330	Faith and Reason	3 hrs
CATH 3338	Sacramental Theology	3 hrs
CATH 4342	Senior Seminar	3 hrs
CULF 1318	Literature and Catholicism	<u>3 hrs</u>
		<b>28 hrs</b>

### **Electives**

*Nine hours of electives including six hours of upper-division courses. Elective courses are chosen in consultation with a faculty advisor.*

CATH 2399	Special Topics in Catholic Studies	3 hrs
CATH 3399	Special Issues in Catholic Studies	3 hrs
CATH 4399	Advanced Topics in Catholic Studies	3 hrs
PHIL 2316	History of Philosophy I	3 hrs
PHIL 3331	Philosophy of Religion	3 hrs
RELS 2321	Introduction to the Hebrew Bible	3 hrs
RELS 2328	New Testament Literature	3 hrs
RELS 3332	Christian Spirituality	3 hrs
RELS 3333	History of Christian Theology I	3 hrs
RELS 3334	History of Christian Theology II	3 hrs
RELS 4303	Dialogue of World Religions	3 hrs



RELS 4341	Contemporary Theological Questions	3 hrs
		<b>9 hrs</b>

**TOTAL MAJOR HOURS** **37 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Catholic Studies

### Foundational Courses

RELS 1101	Methods in Religious Studies	1 hr
CATH 1316	Introduction to Catholicism	3 hrs
CATH 2322	Introduction to the New Testament	3 hrs
CATH 2323	Justice, Peace and Liberation	
or		
CATH 2340	The Documents of Vatican II	3 hrs
CATH 3305	Catholic Intellectual Heritage	
or		
CATH 3338	Sacramental Theology	3 hrs
		<b>13 hrs</b>

### Electives

*Select two courses from the electives below:*

CATH 3399	Special Issues in Catholic Studies	3 hrs
CATH 4399	Advanced Topics in Catholic Studies	3 hrs
PHIL 3331	Philosophy of Religion	3 hrs
RELS 3332	Christian Spirituality	3 hrs
RELS 3333	History of Christian Theology I	3 hrs
RELS 3334	History of Christian Theology II	3 hrs
RELS 4303	Dialogue of World Religions	3 hrs
RELS 4322	The Bible and Its Modern Interpreters	3 hrs
RELS 4341	Contemporary Theological Questions	3 hrs
RELS 4342*	Senior Seminar: Augustine or Rahner	3 hrs

**TOTAL** **19 hrs**

\* These are topics courses. They may count for this minor only when the specifically listed courses are taught.

## Chemistry

The program in Chemistry seeks to provide a thorough scientific, mathematical and highly professional preparation for advanced training and research. In addition, the program strives to make a significant contribution to the general cultural development of students by helping them to gain a fuller understanding and appreciation of the natural world and the role of an intelligent citizen.

*"The aim of education should be to teach us rather how to think than what to think — rather to improve our minds so as to enable us to think for ourselves, than to load the memory with the thoughts of other men."*

— James Beattie

## Bachelor of Arts with a Major in Chemistry

This degree is intended primarily for those students

preparing for medical school.

Refer to the General Requirements for a Major on page 32.

Each student must satisfactorily complete the Chemistry courses and supporting courses listed below:

### Chemistry Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2000	Chemistry Seminar	0 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs
CHEM 3332	Spectroscopic, Chromatographic and Electrochemical Methods	3 hrs
CHEM 3334	Structural Inorganic Chemistry	3 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3242	Chemical Instrumentation Laboratory	2 hrs
CHEM 4242	Advanced Synthesis and Structural Determination Laboratory	2 hrs
CHEM 4157	Research (three times)	3 hrs
CHEM 3000+	One Upper-Division Chemistry Elective	3 hrs
		<b>35 hrs</b>

### Supporting Required Courses

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	
or		
PHYS 2325, 2125	University Physics I, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	
or		
PHYS 2326, 2126	University Physics II, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	3 hrs
		<b>18 hrs</b>

**TOTAL MAJOR HOURS** **53 hrs**

Additional courses in Mathematics and Computer Science are highly recommended.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and unrestricted electives to have a total of at least 120 hours for graduation.*

## Bachelor of Science with a Major in Chemistry

This degree is intended primarily to meet the needs of a student who wishes to seek employment in the chemical industry or to prepare for graduate study in Chemistry.

Each student must satisfactorily complete the Chemistry courses and supporting courses that follow:

### Chemistry Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2000	Chemistry Seminar	0 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs

CHEM 3332	Spectroscopic, Chromatographic and Electrochemical Methods	3 hrs
CHEM 3334	Structural Inorganic Chemistry	3 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3337	Thermodynamics and Kinetics	3 hrs
CHEM 3242	Chemical Instrumentation Lab	2 hrs
CHEM 4242	Advanced Synthesis and Structural Determination Laboratory	2 hrs
CHEM 4157	Research (four times)	4 hrs
CHEM 3000+	One Upper-Division Chemistry Elective	<u>3 hrs</u>
		<b>39 hrs</b>

### ***Supporting Required Courses***

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2321	Calculus III	3 hrs

*(Differential Equations and Linear Algebra highly recommended)*

PHYS 2320, 2125	Mechanics and Waves, Lab	
or		
PHYS 2325, 2125	University Physics I, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	
or		
PHYS 2326, 2126	University Physics II, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>21 hrs</b>

### **TOTAL MAJOR HOURS 60 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

### **Requirements for a Minor in Chemistry**

Refer to the General Requirements for a Minor on page 32.

Each student must satisfactorily complete the following Chemistry courses:

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325	Organic Chemistry II	3 hrs
CHEM 3000+	Upper-Division Chemistry Electives	<u>6 hrs</u>

*(excluding 4150 and 4157)*

*(including at least one hour of laboratory credit and three hours of lecture credit)*

### **TOTAL 21 hrs**

## **Communication**

The discipline of Communication focuses on how humans use verbal and nonverbal messages to create meaning in various contexts, from interactions between two people or within groups to messages aimed at mass audiences across cultures using a variety of media. The discipline is especially interested in the effect of those messages on human behavior. Students will engage in the exploration of these and other areas of study in

order to be prepared for the technologically accelerated development of communication in society and the workplace by learning how to apply communication principles to our increasingly complex world. The core courses required of every Communication major provide students with a broad theoretical background from which to pursue various employment or graduate school opportunities. Communication as a discipline includes the study of communication in interpersonal relationships, in organizations and across cultures; rhetorical theory and criticism; performance studies; argumentation and persuasion; technologically mediated communication; and popular culture. Areas of emphasis at St. Edward's University are Interpersonal and Organizational; Public Relations and Advertising; Media Arts and Broadcast Journalism; and Rhetorical and Cultural Studies.

***The previous was adapted from the National Communication Association.***

### **Bachelor of Arts with a Major in Communication**

#### ***Communication Required Courses***

COMM 1306	Introduction to Communication	3 hrs
COMM 2302	Communication Theory	3 hrs
COMM 2307	Media Communication	3 hrs
COMM 2312	Interpersonal Communication	3 hrs
COMM 3301	Communication Research Methods	3 hrs
COMM 3333	Rhetorical Criticism	3 hrs
COMM 3344	Intercultural Communication	3 hrs
COMM 4350	Internship for the Communication Major	<u>3 hrs</u>
		<b>24 hrs</b>

#### ***Areas of Specialization***

At least 12 hours must be upper-division, with at least nine upper-division hours selected from the area of specialization.

Select five courses in one area of specialization below. 15 hrs

Select two courses from the other three areas below. 6 hrs

**21 hrs**

### **TOTAL MAJOR HOURS 45 hrs**

#### ***Interpersonal and Organizational***

COMM 2321	Gender Communication	3 hrs
COMM 2322	Nonverbal Communication	3 hrs
COMM 2327	Organizational Communication	3 hrs
COMM 2357	Active Listening	3 hrs
COMM 2399	Special Topics in Communication	3 hrs
COMM 3308	Health Communication	3 hrs
COMM 3339	Group Communication	3 hrs
COMM 4345	Native American and Chicana/o Communication	3 hrs
COMM 3346	Family Communication	3 hrs
COMM 3362	Mothers and Daughters	3 hrs

COMM 4316	Leadership	3 hrs
COMM 4323	Feminist Perspectives on Social Change	3 hrs
COMM 4353	Special Topics in Interpersonal and Organizational Communication	3 hrs
COMM 4364	Conflict Resolution	3 hrs
COMM 4399	Special Topics in Communication	3 hrs

### ***Public Relations and Advertising***

COMM 2305	Visual Communication	3 hrs
COMM 2320	Media and Professional Presentations	3 hrs
COMM 2326	Persuasion	3 hrs
COMM 2327	Organizational Communication	3 hrs
COMM 2399	Special Topics in Communication	3 hrs
COMM 3309	Social Media for Public Relations	3 hrs
COMM 3330	Media Standards and Practices	3 hrs
COMM 3332	Principles of Advertising	3 hrs
COMM 3337	Principles of Public Relations	3 hrs
COMM 3360	Advertising Creative Strategy	3 hrs
COMM 4316	Leadership	3 hrs
COMM 4326	Public Relations for Nonprofit Organizations	3 hrs
COMM 4334	Advertising Campaigns	3 hrs
COMM 4352	Special Topics in Public Relations and Advertising	3 hrs
COMM 4399	Special Topics in Communication	3 hrs
ENGW 3301	Writing for Advertising, Public Relations and Publicity	3 hrs

### ***Media Arts and Broadcast Journalism***

COMM 2305	Visual Communication	3 hrs
COMM 2320	Media and Professional Presentations	3 hrs
COMM 2359	Video Production and Editing	3 hrs
COMM 2399	Special Topics in Communication	3 hrs
COMM 3330	Media Standards & Practices	3 hrs
COMM 4310	Communication and Popular Culture	3 hrs
COMM 4315	Film Theory and Analysis	3 hrs
COMM 4324	Documentary Production	3 hrs
COMM 4338	Native American & Chicana/o Film	3 hrs
COMM 4355	Special Topics in Media Arts and Broadcast Journalism	3 hrs
COMM 4366	Documentary History and Theory	3 hrs
COMM 4399	Special Topics Communication	3 hrs
JOUR 2314	Interactive Media Production and Design	3 hrs
JOUR 2321	Journalism I	3 hrs
JOUR 2328	Broadcast Journalism	3 hrs
JOUR 3320	Advanced Broadcast Journalism I	3 hrs
JOUR 3324	Sports Journalism I	3 hrs

### ***Rhetorical and Cultural Studies***

COMM 2303	Introduction to Performance Ethnography	3 hrs
-----------	---	-------

COMM 2321	Gender Communication	3 hrs
COMM 2326	Persuasion	3 hrs
COMM 2399	Special Topics in Communication	3 hrs
COMM 3304	Rhetoric and Religion	3 hrs
COMM 3331	Contemporary Theories of Rhetoric	3 hrs
COMM 3336	Argumentation and Advocacy	3 hrs
COMM 3340	Political Communication	3 hrs
COMM 3345	Native American and Chicana/o Communication	3 hrs
COMM 4310	Communication and Popular Culture	3 hrs
COMM 4319	Rhetoric and Cultural Studies	3 hrs
COMM 4323	Feminist Perspectives on Social Change	3 hrs
COMM 4354	Special Topics in Rhetorical and Cultural Studies	3 hrs
COMM 4399	Special Topics in Communication	3 hrs
ENGW 3304	Legal Writing	3 hrs

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Communication**

### ***Required Courses***

COMM 2302	Communication Theory	3 hrs
COMM 2307	Media Communication	3 hrs
COMM 2312	Interpersonal Communication	3 hrs
COMM 3344	Intercultural Communication	3 hrs

**12 hrs**

### ***Electives***

**9 hrs**

Choose nine hours from one of the areas of specialization in the major or from the remaining courses in the major's core; six hours must be upper-division.

**TOTAL**

**21 hrs**

## **Computer Information Science**

The Computer Information Science program is designed to prepare students for computer-oriented careers as systems analysts and information system specialists.

Graduates of the program will be able to work within corporate information systems environments or within independent business units. The program has two major components: a solid base of computer science knowledge; and its application to the design, implementation and management of multiuser computer systems in the business community. The curriculum provides a strong theoretical and practical foundation in computer science, an exposure to basic business principles and the application of this knowledge to common business practices. The degree program in Computer Information Science prepares students for both immediate employment in the computer information field in business and further studies in information science, computer science,

management information systems and graduate business programs. See also the dual-degree program Accounting Information Technology on page 43.

**Bachelor of Arts with a Major in Computer Information Science**

Each student must satisfactorily complete the major requirements listed on page 32 as well as the following course sequence.

**Computer Information Science Required Courses**

COSC 1313	Introduction to Information Systems	3 hrs
COSC 1323, 1123	Computing Sciences Concepts I, Lab	4 hrs
COSC 2325, 2125	Computing Sciences Concepts II, Lab	4 hrs
COSC 2328	Web Programming	3 hrs
COSC 2329	Component-Based Programming	3 hrs
COSC 2331	Introduction to Computer Organization and Architecture	3 hrs
COSC 3327	Algorithms and Data Structures	3 hrs
COSC 3337	Database Theory	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 4345	Software Engineering II	3 hrs
COSC 4351	Human-Computer Interaction	3 hrs
COSC 4157	Research	1 hr
COSC 4359	Senior Project	<u>3 hrs</u>
		<b>39 hrs</b>

**Business Required Courses**

ACCT 2301	Principles of Accounting I	3 hrs
BUSI 2305	Business Statistics	3 hrs
ECON 2301	Microeconomic Principles	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
BUSI 3000+	Upper-Division Business Elective	<u>3 hrs</u>
		<b>18 hrs</b>

**Supporting Required Courses**

MATH 2312*	Precalculus	3 hrs
MATH 2315	Discrete Mathematics	<u>3 hrs</u>
		<b>6 hrs</b>

*\*MATH 2313/2113 may substitute.*

**TOTAL MAJOR HOURS** **63 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and unrestricted electives to have a total of at least 120 hours for graduation.*

**Computer Science**

The Computer Science program at St. Edward's reflects the university's belief that a college education should provide broad-based general knowledge while simultaneously providing the technical knowledge needed to deal with the multitude of problems arising in professional settings. The Computer Science degree plans are designed with the flexibility to meet the needs

of a large number of students and provide a sound basis for either direct placement in a professional position or advanced study in graduate school. Because many problems are quantitative in nature, the program provides the methods necessary to handle such problems through course requirements in mathematics and statistics as well as computer science. One of the principal aims of the Computer Science program is to provide the student with the capability to develop software solutions for a wide variety of disciplines.

**Bachelor of Arts with a Major in Computer Science**

Each student must satisfactorily complete the major requirements listed on page 32 as well as the following course sequence.

**Computer Science Required Courses**

COSC 1323, 1123	Computing Sciences Concepts I, Lab	4 hrs
COSC 2325, 2125	Computing Sciences Concepts II, Lab	4 hrs
COSC 2328	Web Programming	3 hrs
COSC 2329	Component-Based Programming	3 hrs
COSC 2331	Introduction to Computer Organization and Architecture	3 hrs
COSC 3327	Algorithms and Data Structures	3 hrs
COSC 3336	Programming Languages	3 hrs
COSC 3337	Database Theory	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 3344	Computer Networks	3 hrs
COSC 4333	Operating Systems	3 hrs
COSC 4345	Software Engineering II	3 hrs
COSC 4157	Research	1 hr
COSC 4359	Senior Project	3 hrs
COSC 3000+	Electives	<u>3 hrs</u>
		<b>45 hrs</b>

**Supporting Required Courses**

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2315	Discrete Mathematics	3 hrs
MATH 3320	Applied Statistics	<u>3 hrs</u>
		<b>10 hrs</b>

**TOTAL MAJOR HOURS** **55 hrs**

*SCIE 4345 is highly recommended.*

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

**Bachelor of Science with a Major in Computer Science**

Each student must satisfactorily complete the major requirements listed on page 32 as well as the following course sequence.

**Computer Science Required Courses**

COSC 1323, 1123	Computing Sciences Concepts I, Lab	4 hrs
-----------------	------------------------------------	-------



COSC 2325, 2125	Computing Sciences Concepts II, Lab	4 hrs
COSC 2328	Web Programming	3 hrs
COSC 2329	Component-Based Programming	3 hrs
COSC 2331	Introduction to Computer Organization and Architecture	3 hrs
COSC 3326	Mobile Programming	3 hrs
COSC 3327	Algorithms and Data Structures	3 hrs
COSC 3336	Programming Languages	3 hrs
COSC 3337	Database Theory	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 3344	Computer Networks	3 hrs
COSC 4333	Operating Systems	3 hrs
COSC 4345	Software Engineering II	3 hrs
COSC 4157	Research	1 hr
COSC 4359	Senior Project	3 hrs
COSC 3000+	Electives	<u>3 hrs</u>
		<b>48 hrs</b>

### Supporting Required Courses

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2315	Discrete Mathematics	3 hrs
MATH 3305	Linear Algebra	3 hrs
MATH 3320	Applied Statistics	
or		
MATH 3334	Probability and Theory of Statistics	3 hrs
	Science Elective with Lab*	4 hrs
	Science Elective with Lab*	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>24 hrs</b>

**TOTAL MAJOR HOURS** **72 hrs**

\* Two different sciences: Two different science disciplines must be taken for the Science Elective with Lab requirement, with the exception of BINF 3345 + 3145, which can be repeated as the topic changes.

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

## Requirements for a Minor in Computer Science

Each student must satisfactorily complete the minor requirements listed on page 33 as well as the following course sequence.

COSC 1323, 1123	Computing Sciences Concepts I, Lab	4 hrs
COSC 2325, 2125	Computing Sciences Concepts II, Lab	4 hrs
COSC 2328	Web Programming	3 hrs
MATH 2315	Discrete Mathematics	3 hrs
COSC 3327	Algorithms and Data Structures	3 hrs
COSC 3337	Database Theory and Applications	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 3000+	Upper-Division Elective Courses	<u>3 hrs</u>
<b>TOTAL</b>		<b>26 hrs</b>

## Certificate of College Credit in

## Computer Science

St. Edward's also offers a Certificate of College Credit in Computer Science for persons who need formal credentials in Computer Science prior to completion of all requirements for a Bachelor of Arts or Bachelor of Science degree in the field.

Students who already possess degrees in areas other than Computer Science and who wish to gain knowledge and experience in this area without enrolling as degree-seeking students may also wish to pursue a certificate. Others who do not wish to earn a college degree at this time may also enroll in the certificate program. The coursework in the program is modeled on that required for the Bachelor of Arts degree in Computer Science.

### Prerequisite Math Courses (if required)

MATH 0309	Basic Mathematics
MATH 1314	College Algebra
MATH 2312	Precalculus

### Math Supporting Courses

MATH 2313, 2113	Calculus I, Lab
MATH 2315	Discrete Mathematics
MATH 3320	Applied Statistics

### COSC Courses

COSC 1323, 1123	Computing Sciences Concepts I, Lab
COSC 2325, 2125	Computing Sciences Concepts II, Lab
COSC 2328	Web Programming
COSC 2331	Introduction to Computer Organization and Architecture
COSC 3327	Algorithms and Data Structures
COSC 3337	Database Theory and Applications
COSC 3339	Software Engineering I
COSC 3344	Computer Networks
COSC 4333	Operating Systems
COSC 4345	Software Engineering II
COSC 3000+	3 hrs Electives; 4150 may be repeated once.

## Criminal Justice

The Bachelor of Arts in Criminal Justice program is designed to provide education for students preparing for careers in the many fields of the criminal justice system, as well as for those who already are members of these professions and wish to continue their education. The program rests on the premise that criminal justice must be examined as a total system. Therefore, the curriculum is structured in such a way as to provide the student with exposure to all facets of the criminal justice system, including law, law enforcement, the courts and corrections, as well as the examination of topics collateral to the administration of justice. Students may, through the use of electives, focus their studies so that they are congruent with their future or current professional

interest. The program also provides opportunities for students to gain work experiences in a criminal justice agency under various internship offerings.

## Bachelor of Arts with a Major in Criminal Justice

### *Criminal Justice Required Courses*

CRIJ 1302	Administration of Justice	3 hrs
CRIJ 1310	Criminal Law I	3 hrs
CRIJ 2306	American Court System	3 hrs
CRIJ 2328	American Law Enforcement	3 hrs
CRIJ 3313	Corrections	3 hrs
CRIJ 4345	Contemporary Issues in Criminal Justice	3 hrs
CRIM 3336	Criminology	<u>3 hrs</u>
		<b>21 hrs</b>

### *Supporting Required Courses*

SOCI 1301	Self and Society	3 hrs
POLS 1305	American National Government	
or		
POLS 1306	State and Local Government	3 hrs
PSYC 2301	General Psychology	3 hrs
POLS 3328	Political Research and Statistics	
or		
SOCI 2329	Social Statistics	<u>3 hrs</u>
		<b>12 hrs</b>

*In addition to the preceding core requirements, all students must select one of the following areas of emphasis:*

### **Administration of Justice Emphasis 21 hrs**

CRIJ 3322	Juvenile Delinquency and the Juvenile Justice System	3 hrs
CRIJ 3323	Constitutional Criminal Procedure	3 hrs
CRIJ 4341	Comparative Legal Systems	3 hrs

*Choose 12 hours of electives in Criminal Justice, Criminology, or Forensic Science. Selection of these electives can be matched to the student's career interests. (9 hours must be Upper Division)*

### **TOTAL MAJOR HOURS 54 hrs**

### **Pre-Law Emphasis 21 hrs**

CRIJ 3323	Constitutional Criminal Procedure	3 hrs
CRIJ 3325	Criminal Evidence and Proof	3 hrs
CRIJ 3333	Criminal Law II	3 hrs
CRIJ 4341	Comparative Legal Systems	3 hrs
CRIJ 4338	Mock Trial	3 hrs
CRIJ 4348	Prosecution and Adjudication	3 hrs

*Choose three hours from the following courses*

ENGW 3304	Legal Writing	
POLS 4349	Topics in Pre-Law	
CRIJ 4350	Senior Internship	<u>3 hrs</u>

### **TOTAL MAJOR HOURS 54 hrs**

### **Law Enforcement Emphasis 21 hrs**

CRIJ 2318	Forensic Investigations	3 hrs
CRIJ 3323	Constitutional Criminal Procedure	3 hrs

CRIJ 3322	Juvenile Delinquency and the Juvenile Justice System	3 hrs
FRSC 3332	Crime Scene Photography	3 hrs
FRSC 3340	Forensic Aspects of Crimes Against Property	3 hrs
CRIM 3331	Victimology	3 hrs

*Choose three hours from the following courses:*

CRIM 2330	Terrorism	
CRIM 3323	Organized Crime	
FRSC 4346	Death Investigations	
CRIJ 4350	Senior Internship	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>54 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Criminal Justice

### *Required Courses*

CRIJ 1302	Administration of Justice	3 hrs
CRIJ 3323	Constitutional Criminal Procedure	3 hrs

*Choose two of the following four courses (six hours):*

CRIJ 1310	Criminal Law I	3 hrs
CRIJ 2306	American Court System	3 hrs
CRIJ 2328	American Law Enforcement	3 hrs
CRIJ 3325	Criminal Evidence and Proof	3 hrs

CRIJ 3000+	Any Upper-Division CRIJ Courses	<u>6 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

## Requirements for a Minor in Criminal Justice, Pre-Law

### *Required Courses*

CRIJ 1302	Administration of Justice	3 hrs
CRIJ 1310	Criminal Law I	3 hrs
CRIJ 2306	American Court System	3 hrs
CRIJ 3323	Constitutional Criminal Procedure	3 hrs
CRIJ 3325	Law of Evidence and Proof	3 hrs
CRIJ 3333	Criminal Law II	3 hrs

or		
CRIJ 4348	Prosecution and Adjudication	<u>3 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

## Criminology

Criminology is the scientific study of the causes of crime, the characteristics of criminals and victims, and the relationship between law and human behavior. The principal academic association in the area, the American Society of Criminology, illustrates the full range of topics studied by criminologists. These areas of study include scholarly, scientific and professional knowledge concerning the causes and prevalence of crime and the prevention, control and treatment of crime and delinquency. Also included are the measurement and detection of crime,

legislation and policy, the practice of criminal law, and the study of the criminal justice system.

Criminology is a social science that draws from Sociology, Psychology, Social Work and Political Science and is closely related to Criminal Justice, which is the study of the criminal justice system and all of its component parts. Criminology is a research-based discipline, and graduates in this area are likely to go on to graduate school or to law school. Graduates who go directly into the workforce usually work in various parts of the criminal justice system or in human services, and they often work for the government at various levels: local, state and federal.

## Bachelor of Arts with a Major in Criminology

### *Criminology Core Required Courses*

#### *Causes of Crime*

CRIM 2326	Chemical Dependency Issues	3 hrs
CRIM 3340	Theories of Crime Causation	3 hrs
PSYC 4341	Abnormal Psychology	3 hrs
SOCI 4343	Race, Class and Gender	<u>3 hrs</u>
		<b>12 hrs</b>

#### *Crime and the Justice System*

CRIJ 1302	Administration of Justice	3 hrs
CRIM 1307	Crime in America	3 hrs
CRIM 3336	Criminology	3 hrs
CRIJ/CRIM/FRSC Elective		<u>3 hrs</u>
		<b>12 hrs</b>

#### *Law, Legislation and Policy*

CRIJ 1310	Criminal Law I	
<i>or</i>		
CRIJ 3323	Constitutional Criminal Procedure	3 hrs
CRIM 3331	Crime Victims (Victimology)	3 hrs
CRIJ 4345	Contemporary Issues in Criminal Justice	<u>3 hrs</u>
		<b>9 hrs</b>

#### *Specific Types of Crime and Criminals*

*Select three hours from the following courses:*

CRIJ 3322	Juvenile Delinquency and the Juvenile Justice System	
CRIM 4349	Topics in Criminology: Corporate/White-Collar Crime (Other topics may also be offered.)	
PSYC 2305	Introduction to Forensic Psychology	
PSYC 4344	Serial Killers	
PSYC 4345	Violent Sex Crimes	3 hrs

CRIM 3000+	One Upper-Division CRIM Course	<u>3 hrs</u>
<i>CRIM 4349, Topics in Criminology, CRIM 4350/4650, Internship in Criminology, or any other upper-division courses with a CRIM prefix could meet this requirement.</i>		
		<b>6 hrs</b>

### *Supporting Required Courses*

POLS 1305	American National Government	
<i>or</i>		
POLS 1306	State and Local Government	3 hrs

PSYC 2301	General Psychology	3 hrs
SOCI 1301	Self and Society	3 hrs
SOCI 3330	Social Research	<u>3 hrs</u>

**12 hrs**

### **TOTAL MAJOR HOURS**

**51 hrs**

Students must take a Statistics course (SOCI 2329) to meet the general education Computational Skills requirement.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Criminology

### *Causes of Crime (Select three hours)*

CRIM 2326	Chemical Dependency Issues	3 hrs
CRIM 3340	Theories of Crime Causation	3 hrs
PSYC 4341	Abnormal Psychology	3 hrs
SOCI 4343	Race, Class and Gender	3 hrs

### *Crime and Society (Six hours)*

CRIM 1307	Crime in America	3 hrs
CRIM 3336	Criminology	3 hrs

### *Law, Legislation and Policy (Select three hours)*

CRIJ 3323	Constitutional Criminal Procedure	3 hrs
CRIM 3331	Crime Victims (Victimology)	3 hrs

### *Specific Types of Crime and Criminals (Select three hours)*

CRIJ 3322	Juvenile Delinquency and the Juvenile Justice System	3 hrs
CRIM 4349	Topics in Criminology	3 hrs
PSYC 2305	Introduction to Forensic Psychology	3 hrs
PSYC 4344	Serial Killers	3 hrs
PSYC 4345	Violent Sex Crimes	3 hrs

CRIM 3000+ One Upper-Division CRIM Course 3 hrs  
*CRIM 4349, Topics in Criminology, CRIM 4350, Internship in Criminology, or any other upper-division courses with a CRIM prefix could meet this requirement.*

**TOTAL**

**18 hrs**

## Digital Media Management

A central trend in the information sector is the merging of media, communication, computers and, especially, the entertainment industry. The information sector, which encompasses media, computer systems, telecommunications, research and development, and advertising, accounts for more than one-third of U.S. GDP. Almost one-half of all new capital investment in the United States is devoted to information technology. The merger of media is particularly significant to the state of Texas, where film and TV industry budgets have recently exceeded \$330,000,000 and the music business is growing exponentially. Though the state has long been known for its music and film industries, currently the most dynamic digital media business growth in Texas is found in Austin's gaming industry. The cluster of digital media companies in Austin includes some of the industry's

most prominent studios. Building on this digital media business environment, this major is designed to create a new type of manager who can bridge and navigate between the digital arts, technology and the business disciplines. In addition to being a stand-alone program, the courses that make up the undergraduate Digital Media Management major have been designed to provide a foundation for students who want to pursue the MBA in Digital Media Management on graduation.

## Bachelor of Business Administration with a Major in Digital Media Management

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u> <b>6 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communications	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomics	3 hrs
ECON 2302	Macroeconomics	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u> <b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Digital Media Required Courses

BDMM 2301	Principles of Digital Media & Entertainment	3 hrs
BDMM 3331	Social Networking & Digital Analytics	3 hrs
BDMM 3332	Digital Media Enterprise Creation	3 hrs
BDMM 3334	Digital Interactive Technology	3 hrs
BDMM 3338	Digital Media Production Planning	3 hrs
BDMM 4330	Digital Media and Law	3 hrs
BDMM 4336	Digital Media Marketing	<u>3 hrs</u> <b>21 hrs</b> <b>66 hrs</b>

### TOTAL MAJOR HOURS

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Economics

Economics is the social science that studies how society uses its scarce resources to meet human needs. As an Economics major, you will learn how goods and services are produced and distributed to millions of people across the globe. You will survey such topics as:

- How prices are set in competitive markets
- How consumers make rational decisions
- How business firms produce goods most efficiently
- Small business and big business in America and globally
- Selected industry case studies
- Government regulation, mergers and business policies
- The reasons for wage differences across various occupations
- What government does and how its programs can be evaluated
- Current economic issues such as the environment and health care
- What determines economic growth, unemployment and inflation
- What causes economic prosperity and recession
- The role of banking, the money supply and interest rates
- Taxes, government spending, deficits and surpluses
- The increasing importance of international trade
- The reasons why so many economic issues are controversial

Economics provides a foundation for the study and practice of business, marketing, finance and government service. Because it teaches critical and logical thinking, it is an excellent pre-law major and preparation for graduate school.

In the world of business, economists conduct market research, forecast future economic activity and influence strategic planning. Government policymakers — including the president, Congress, state governors, mayors, and administrators of federal and state agencies — consult staffs of professional economists for advice on a wide range of policy issues. Conversations among informed citizens, newspaper and magazine articles, and information on the Internet are better understood by those with some knowledge of economic concepts.

The electives chosen by Economics majors will depend on each student's interests and career plans. In addition to taking internationally oriented Economics courses, for example, students desiring a global focus will be encouraged to take courses in International Business, International Studies, Political Science and History, which offer a global perspective. In addition to taking courses in economic history and the economics of government and labor, for example, students seeking preparation for law school or government service will be encouraged to take



courses in the legal aspects of business, public policy and conflict resolution.

The Economics major welcomes students with broad interests and encourages them to choose elective courses that complement their interests within the field of Economics.

**Undergraduate business courses contain a content-relevant ethics component.**

*(Note: If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.)*

**Bachelor of Arts or Bachelor of Business Administration with a Major in Economics**

**General Education Supportive Requirements**

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2313/2113	Calculus I/Lab	<u>4 hrs</u>
		<b>7 hrs</b>

**Business Core Requirements**

(Business Core Requirements must be taken by students pursuing the BBA degree; students pursuing the BA degree are required to take ECON 2301\*, ECON 2302 and BUSI 2328.)

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

**Economics Required Courses**

ECON 3301	Microeconomic Theory	3 hrs
ECON 3302	Macroeconomic Theory	<u>3 hrs</u>
		<b>6 hrs</b>

*Select six of the following courses (at least five with an ECON prefix):*

ECON 3323	Industrial Organization	3 hrs
ECON 3333	Money and Banking	3 hrs
ECON 3334	Law and Economics	3 hrs
ECON 3336	International Trade and Finance	3 hrs
ECON 3338	The Economy of China	3 hrs

ECON 3399	Special Topics in Economics (may be repeated as topics change)	3 hrs
ECON 4327	Econometrics	3 hrs
ECON 4341	Labor Economics	3 hrs
ECON 4346	History of Economic Thought	<u>3 hrs</u>
		<b>18 hrs</b>

**TOTAL MAJOR HOURS** **70 hrs**

**Electives**

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

**Requirements for a Minor in Economics**

ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
ECON 3000+	Any Upper-Division ECON Courses	<u>12 hrs</u>
	<b>TOTAL</b>	<b>18 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

**Education**

*(See Teacher Education on page 93.)*

**Engineering**

St. Edward's University and Carroll College are partnered in a 3+2 engineering program which offers students the opportunity to earn two degrees: Bachelor of Science in Mathematics and Bachelor of Science in Civil Engineering. In the first three years at St. Edward's, students will complete the core curriculum, courses for the mathematics major, and prerequisite courses for the engineering major. Students then transfer to Carroll College and in the following two years, complete the coursework for both majors. After these five years of study, students will receive a Bachelor of Science in Civil Engineering from Carroll College and a Bachelor of Science in Mathematics from St. Edward's University.

**Bachelor of Science in Mathematics & Bachelor of Science in Civil Engineering**

*In addition to the general education courses listed on p. 37, students must take the following Mathematics required and supporting required courses and maintain a 2.75 GPA overall and in the major.*

**Mathematics Required Courses**

MATH 2313/2113	Calculus I/Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2321	Calculus III	3 hrs
MATH 3318	Inquiry and Proof	3 hrs
MATH 3305	Linear Algebra	3 hrs

MATH 3310	Differential Equations	3 hrs
MATH 4342	Abstract Algebra	3 hrs
MATH 4157	Research (one time)*	4 hrs

*Choose two of the following three courses:*

MATH 3316	Advanced Calculus	3 hrs
MATH 3317	Elementary Real Analysis	3 hrs
MATH 4331	Introduction to Complex Analysis	<u>3 hrs</u>

**32 hrs**

### **Mathematics Electives**

*Choose four\*\* of the following courses:*

MATH 2315	Discrete Mathematics***	3 hrs
MATH 3320	Applied Statistics	3 hrs
MATH 3334	Probability and Theory of Statistics	3 hrs
MATH 3345	Special Topics in Mathematics	3 hrs
MATH 4343	Topology	3 hrs
MATH 4344	Advanced Topics	3 hrs
MATH 3316, 3317, or 4331	if not selected above	3 hrs
MATH 3000+	Upper division courses excluding 4150 and 4157	<u>3 hrs</u>

**12 hrs**

*\*3 hours of undergraduate research will transfer back from Carroll College*

*\*\*3 of the 4 math electives will transfer back from Carroll College*

*\*\*\*may be counted toward the major only if taken prior to, or concurrent with, MATH 3318*

### **Supporting Required Courses**

RELS\* (to fulfill the RELS/PHIL requirement)

BIOL 1307/1107 or BIOL 1308/1108

CHEM 1340/1140

PHYS 2325/2125

PHYS 2326/2126

COSC 1323/1123

Engineering statics\*

*\*required by Carroll College*

**TOTAL**

**26 hrs**

Upon completion of the courses listed above, students transfer to Carroll College to complete engineering courses.

## **English Literature**

Literature provides us with the best thoughts of the greatest minds the world has ever produced. It is an essential ingredient of *humanitas*, that which exploits the potential within every person and which is basic to our life as human beings. The study of literature prepares the student to read with comprehension and enjoyment, to write with skill and grace, and to see the world in its richest possibilities.

Majoring in English Literature prepares one not only for a permanently full and rich future life, whatever one's possible career, but likewise is a good preparation for graduate school, law school or any professional pursuit.

Thus, many English-major graduates find careers in communications, public relations, journalism, teaching, publishing, foreign service, librarianship, writing, advertising, editing or government.

Within the English Literature major, students will have a choice between the General specialization or the Creative Writing specialization. The purpose of the Creative Writing specialization is to give English Literature majors the opportunity to develop their creative writing skills within their major, as well as to give creative writers interested in entering MFA programs the broader literary background those programs expect of candidates.

## **Bachelor of Arts with a Major in English Literature**

### **English Literature Required Courses**

ENGL 2300	Introduction to Literary Studies	3 hrs
ENGL 2322	British Literature I	3 hrs
ENGL 2323	British Literature II	3 hrs
ENGL 3301	American Literature I	3 hrs
ENGL 3302	American Literature II	3 hrs
ENGL 4341	Literary Criticism	3 hrs
ENGL 4355	Senior Seminar in English Literature	<u>3 hrs</u>

**21 hrs**

### **English Literature Electives**

*Select one course from Group A:*

ENGL 3303	Medieval Literature	3 hrs
ENGL 3304	The Age of Milton	3 hrs
ENGL 3335	Development of English Drama up to the Moderns	3 hrs
ENGL 3336	Shakespeare's Tragedies and Romances	3 hrs
ENGL 3337	Shakespeare's Comedies and Histories	<u>3 hrs</u>

**3 hrs**

*Select one course from Group B:*

ENGL 3305	British Romanticism	3 hrs
ENGL 3306	American Novel to 1890	3 hrs
ENGL 3307	Victorian Novel	3 hrs
ENGL 3308	Restoration and 18th-Century British Literature	3 hrs
ENGL 3312	Victorian Poetry and Prose	3 hrs
ENGL 4327	The 18th-Century British Novel	<u>3 hrs</u>

**3 hrs**

*Select one course from Group C:*

ENGL 3338	Modern and Contemporary Drama	3 hrs
ENGL 4310	Modern American Poetry	3 hrs
ENGL 4319	Modern and Postmodern Literature	3 hrs
ENGL 4322	Turn-of-the-19th-Century and Early-Modernist Novel	<u>3 hrs</u>

**3 hrs**

Select one course from Group D:

ENGL 2324	Topics in World Literature	3 hrs
ENGL 2330	Poetics	3 hrs
ENGL 3339	Special Topics in Literature	3 hrs
ENGL 4311	Regional Writers	<u>3 hrs</u>
		<b>3 hrs</b>

### **Choose one of two specializations within the English Literature Major:**

#### **General Specialization**

Select nine additional hours of electives from Groups A–D above.

	<b>9 hrs</b>
<b>TOTAL MAJOR HOURS</b>	<b>42 hrs</b>

#### **Creative Writing Specialization:**

Select two of the following courses:

ENGW 2300	Introduction to Creative Writing	3 hrs
ENGW 2301	Poetry Workshop I	3 hrs
ENGW 2302	Fiction Workshop I	3 hrs
ENGW 2303	Playwriting Workshop I	3 hrs
ENGW 2304	Special Creative Writing Workshops	3 hrs
ENGW 2305	Creative Nonfiction Workshop	<u>3 hrs</u>
		<b>6 hrs</b>

Select one of the following courses:

ENGW 3307	Poetry Workshop II	3 hrs
ENGW 3308	Fiction Workshop II	3 hrs
ENGW 3309	Stage and Screen Writing II	3 hrs
ENGW 3310	Special Topics in Intermediate Creative Writing	<u>3 hrs</u>
		<b>3 hrs</b>

	<b>9 hrs</b>
<b>TOTAL MAJOR HOURS</b>	<b>42 hrs</b>

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

### **Requirements for a Minor in English Literature**

#### **Required Courses**

##### **English Literature Core Curriculum**

ENGL 2322	British Literature I	3 hrs
ENGL 2323	British Literature II	3 hrs
ENGL 3301	American Literature I	3 hrs
ENGL 3302	American Literature II	3 hrs
ENGL 3303–3312	Period Studies (choose one)	3 hrs
ENGL Electives	(Three hours must be Upper-Division)	<u>9 hrs</u>
<b>TOTAL</b>		<b>24 hrs</b>

### **English Writing and Rhetoric**

Rhetoric, broadly speaking, studies human communication. More specifically, rhetoric studies the ways in which humans use language to give form or

meaning to their experience; to express and communicate what it is that humans want to say to one another; and to induce human cooperation. Rhetoric, then, studies the production, uses and effectiveness of discourse in its oral and written forms and within its social and historical contexts. This major focuses on written forms of discourse.

Writing is a part of the four worlds of experience in which we live: the private world, the public world, the college world and the working world. In fact, we all live in a world that writing built.

The noted writer and educator Janet Emig says that we live in a world that writing helps to shape and to make understandable “since writing either serves or actually represents so many of the functions that make us human, that make us civilized. Through writing we can record, describe, explain, argue, justify, codify, discover, create, reflect, destroy, and build our own lives and the four worlds in which we live.”

The Writing major prepares students to function competently in these worlds. It provides a wide range of coursework for students wishing to prepare for careers involving writing, editing and other communication skills — law, government service, teaching, advertising, public relations, etc. — as well as those wishing to become professional writers.

Students will take nine core courses and six elective courses in specialized writing areas. They are encouraged to at least minor, if not double major, in other disciplines — Business, Computer Science, Education, History, Language, Literature, Photocommunications, Physical and Biological Science, Political Science, Social Science — in order to broaden their preparation for graduate school or for careers in these fields.

#### **Goals:**

Students who have finished the major are expected to have the skills necessary to enter graduate/professional schools or pursue careers with a heavy writing and/or editing component. Successful graduates will

- concentrate in at least one form of writing (journalism, creative writing, business writing, academic writing);
- analyze and write for a variety of audiences, situations and purposes;
- cultivate aptitude in critical thinking, value analysis and decision making;
- evaluate and respond to the writing of others;
- comprehend and utilize current composition practices;
- acquire editing and revising skills;
- demonstrate mastery of writing skills at the appropriate level for designated courses;
- develop vocabulary, fluency, style and voice; and

- develop skills in desktop publishing and other computer applications, research, collaboration and public speaking.

## Bachelor of Arts with a Major in English Writing and Rhetoric

There are four specializations to choose from within the English Writing and Rhetoric major. All English Writing and Rhetoric (ENGW) majors must take the following core requirements, comprising 27 of the 45 total hours for the major. The Journalism specialization substitutes six hours of these required core courses with Journalism courses.

### English Writing and Rhetoric Required Core Courses

ENGW 2320	American Grammar	3 hrs
ENGW 2325	Text and Discourse Analysis	3 hrs
ENGW 2326	Revising and Editing**	3 hrs
ENGW 2329	Document Design	3 hrs
ENGW 3335	Technical and Business Communication	3 hrs
ENGW 3336	Theories of Rhetoric and Composition	3 hrs
ENGW 4341	Current Theories of Rhetoric and Composition	3 hrs
ENGW 4344	Career Preparation	3 hrs
ENGW 4350	Internship* **	<u>3 hrs</u>
		<b>27 hrs</b>

\* This course may be repeated for credit with the permission of the internship coordinator.

\*\* Students in the Journalism specialization will substitute JOUR 2310 for ENGW 2326 and JOUR 4350 for ENGW 4350.

In addition to completing the core requirements, ENGW majors must complete the requirements specified in one of the following four specializations:

### SPECIALIZATION 1: General

#### Required Courses

ENGW 3324	Principles of Style	3 hrs
<i>Choose two of the following courses:</i>		
ENGW 3332	Writing Online	3 hrs
ENGW 3333	Print Production	3 hrs
ENGW 4342	Magazine Writing	<u>3 hrs</u>
		<b>9 hrs</b>

#### Electives

Select three courses from the following list of electives for a total of nine hours. At least two of these courses must be upper-division courses (numbered 3000 or above).

ENGW	Any course not already taken	3 hrs
JOUR	Any JOUR course	3 hrs
ENGL 4341	Literary Criticism	3 hrs
LING 3330	Introduction to Linguistics	<u>3 hrs</u>
		<b>9 hrs</b>

**TOTAL MAJOR HOURS 45 hrs**

### SPECIALIZATION 2: Professional Writing

#### Required Courses

ENGW 3324	Principles of Style	3 hrs
<i>Choose two of the following courses:</i>		
JOUR 2321	Journalism I	3 hrs
ENGW 3301	Writing for Advertising, Public Relations and Publicity	3 hrs
ENGW 3331	Media Writing	3 hrs
ENGW 3332	Writing Online	3 hrs
ENGW 3333	Print Production	3 hrs
ENGW 3337	Advanced Editing	3 hrs
ENGW 4342	Magazine Writing	3 hrs
ENGW 4345	Grant Proposal Writing	<u>3 hrs</u>
		<b>9 hrs</b>

#### Electives

Select three courses from the following list of electives for a total of nine hours. At least two of these courses must be upper-division courses (numbered 3000 or above).

COMM 2320	Media and Professional Presentations	3 hrs
ENGL 4341	Literary Criticism	3 hrs
ENGW 2323	Research and Argumentation	3 hrs
ENGW 3301	Writing for Advertising, Public Relations and Publicity	3 hrs
ENGW 3304	Legal Writing	3 hrs
ENGW 3306	Special Nonfiction Writing Topics	3 hrs
ENGW 3331	Media Writing	3 hrs
ENGW 3332	Writing Online	3 hrs
ENGW 3333	Print Production	3 hrs
ENGW 3337	Advanced Editing	3 hrs
ENGW 4342	Magazine Writing	3 hrs
ENGW 4345	Grant Proposal Writing	3 hrs
ENGW 4350	Internship*	3 hrs
JOUR 2321	Journalism I	3 hrs
JOUR 3303	Opinion Writing	3 hrs
JOUR 3304	Entertainment Journalism	3 hrs
JOUR 3307	Newspaper Design	3 hrs
JOUR 3322	Journalism II: Online Journalism	3 hrs
JOUR 4305	Journalism III	3 hrs
LING 3330	Introduction to Linguistics	<u>3 hrs</u>
		<b>9 hrs</b>

**TOTAL MAJOR HOURS 45 hrs**

\* May be repeated for credit with the permission of the internship coordinator.

### SPECIALIZATION 3: Creative Writing

#### Required Courses

Select two of the following courses:

ENGW 2301	Poetry Workshop I	3 hrs
ENGW 2302	Fiction Workshop I	3 hrs
ENGW 2303	Playwriting Workshop I	3 hrs
ENGW 2304	Special Creative Writing Workshops	3 hrs
ENGW 2305	Creative Nonfiction Workshop	<u>3 hrs</u>
		<b>6 hrs</b>



Select one of the following courses:

ENGW 3307	Poetry Writing II	3 hrs
ENGW 3308	Fiction Writing II	3 hrs
ENGW 3309	Stage and Screen Writing II	3 hrs
ENGW 3310	Special Topics in Intermediate Creative Writing	<u>3 hrs</u> <b>3 hrs</b>

Select one of the following courses:

ENGL 3303–3305	Poetry Studies	3 hrs
ENGL 3306	American Novel to 1890	3 hrs
ENGL 3307	Victorian Novel	3 hrs
ENGL 3308	Restoration and 18th-Century British Literature	3 hrs
ENGL 3312	Victorian Prose and Poetry	3 hrs
ENGL 3335–3338	Drama Studies	3 hrs
ENGL 3339	Special Topics in Literature	3 hrs
ENGL 4310	Modern American Poetry	3 hrs
ENGL 4319	Modern and Postmodern Literature	3 hrs
ENGL 4322	Turn of the 19th Century and Early Modern Novel	3 hrs
ENGL 4327	The 18th-Century British Novel	<u>3 hrs</u> <b>3 hrs</b>

### Electives

Select two courses from the following list of electives for a total of six hours. One course must be an upper-division course (numbered 3000 or above).

ENGL 3303–3305	Poetry Studies	3 hrs
ENGL 3335–3338	Drama Studies	3 hrs
ENGL 3339	Special Topics in Literature	3 hrs
ENGL 4310	Modern American Poetry	3 hrs
ENGL 4321	Women Writers	3 hrs
ENGL 4322	Turn of the 19th Century and Early Modern Novel	3 hrs
ENGL 4341	Literary Criticism	3 hrs
ENGW 2301	Poetry Workshop I	3 hrs
ENGW 2302	Fiction Workshop I	3 hrs
ENGW 2303	Playwriting Workshop I	3 hrs
ENGW 2304	Special Creative Writing Workshops	3 hrs
ENGW 2305	Creative Nonfiction Workshop	3 hrs
ENGW 3306	Special Nonfiction Writing Topics	3 hrs
ENGW 3308–3310	Intermediate Creative Writing	3 hrs
ENGW 3324	Principles of Style	3 hrs
ENGW 3332	Writing Online	3 hrs
ENGW 3333	Print Production	3 hrs
ENGW 4342	Magazine Writing	3 hrs
ENGW 4343	Advanced Creative Writing Seminar	3 hrs
ENGW 4345	Grant Proposal Writing	3 hrs
JOUR 2321	Journalism I	3 hrs
JOUR 3303	Opinion Writing	3 hrs
JOUR 3304	Entertainment Journalism	3 hrs
JOUR 3307	Newspaper Design	3 hrs
JOUR 3322	Journalism II: Online Journalism	3 hrs
JOUR 4305	Journalism III	3 hrs
JOUR 4331	Special Topics in Print Journalism	3 hrs

LING 3330	Introduction to Linguistics	<u>3 hrs</u> <b>6 hrs</b>
-----------	-----------------------------	------------------------------

**TOTAL MAJOR HOURS 45 hrs**

### SPECIALIZATION 4: Journalism

#### Required Courses

JOUR 2314	Interactive Media Production and Design	3 hrs
JOUR 2321	Introduction to Journalism	3 hrs
JOUR 3322	Journalism II: Online Journalism	3 hrs
COMM 3330	Media Standards and Practices	<u>3 hrs</u> <b>12 hrs</b>

#### Electives

Select two courses from the following list of electives for a total of six hours. Both courses must be upper-division (numbered 3000 or above)

JOUR 3303	Opinion Writing	3 hrs
JOUR 3304	Entertainment Journalism	3 hrs
JOUR 4305	Journalism III	3 hrs
JOUR 4331	Special Topics in Print Journalism	3 hrs
JOUR 4332	Special Topics in Broadcast Journalism	3 hrs
COMM 4324	Documentary	3 hrs
ENGW 4342	Magazine Writing	<u>3 hrs</u> <b>6 hrs</b>

**TOTAL MAJOR HOURS 45 hrs**

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

### Requirements for a Minor in English Writing and Rhetoric

#### Required Courses

ENGW 2320	American Grammar	3 hrs
ENGW 2325	Text and Discourse Analysis	3 hrs
ENGW 2326	Revising and Editing	3 hrs
ENGW 2329	Document Design	3 hrs
ENGW 3335	Technical and Business Communication	<u>3 hrs</u> <b>15 hrs</b>

#### Electives

Select three upper-division courses (numbered 3000 or above) from the following list of electives for a total of nine hours:

ENGW 3301–3306	Special Nonfiction Writing Topics*	3 hrs
ENGW 3307–3310	Intermediate Creative Writing Topics*	3 hrs
ENGW 3331	Media Writing	3 hrs
ENGW 3332	Writing Online	3 hrs
ENGW 3333	Print Production	3 hrs
ENGW 3336	Theories of Rhetoric and Composition	3 hrs
ENGW 4341	Current Theories of Rhetoric and Composition	3 hrs
ENGW 4342	Magazine Writing	3 hrs
ENGW 4343	Advanced Creative Writing Seminar	3 hrs

ENGW 4345	Grant Proposal Writing	3 hrs	MGMT 2301	Principles of Management	3 hrs
JOUR 3303	Opinion Writing	3 hrs	MGMT 3340	Operations Management	3 hrs
JOUR 3304	Entertainment Journalism	3 hrs	MKTG 2301	Principles of Marketing	<u>3 hrs</u>
JOUR 3307	Newspaper Design	<u>3 hrs</u>			<b>39 hrs</b>
		<b>9 hrs</b>			
	<b>TOTAL</b>	<b>24 hrs</b>			

\* Two courses may be from this group

## Entrepreneurship

The Entrepreneurship major targets students interested in starting their own organization or contributing to the success of a start-up organization. Through classroom and community experiences, students will be able to identify viable career options in entrepreneurship, expand their knowledge of the process and develop their own entrepreneurial management skills.

The Entrepreneurship major provides the student with the necessary skills and knowledge to research, plan and prepare a viable business proposal for the development of a new establishment. The program tailors traditional business concepts to accent the needs of the entrepreneur as the CEO. The emphasis on reliance on one's self as the controller of one's destiny is stressed. The student will learn about intelligent risk taking, with a preparation for failures and how to recover from those failures. Potential entrepreneurs will learn that for their venture to succeed they must have passion, dedication and flexibility.

**Undergraduate business courses contain a content-relevant ethics component.**

***Note:** If you intend to pursue a graduate degree in Business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Entrepreneurship

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>
		<b>6 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs

MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Entrepreneurship Required Courses

ENTR 3381	Entrepreneurship	3 hrs
ENTR 3384	Entrepreneurial Marketing	3 hrs
ENTR 3386	Accounting Management for Entrepreneurs	3 hrs
ENTR 3387	Entrepreneurial Finance	3 hrs
ENTR 3391	Entrepreneurial Practicum	3 hrs
ENTR 4390	Entrepreneurial Strategy	3 hrs

*Select one of the following courses:*

BUSI 3385	Internship	3 hrs
ENTR 3350	Management Consulting	3 hrs
ENTR 3393	Entrepreneurial Management	3 hrs
ENTR 3399	Special Topics in Entrepreneurship	3 hrs
ENTR 4382	New Product/Service Design and Development	3 hrs
ENTR 4388	Technology Entrepreneurship	<u>3 hrs</u>
		<b>21 hrs</b>

### TOTAL MAJOR HOURS

**66 hrs**

### Electives

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and electives to have a total of at least 120 hours for graduation.*

## Environmental Chemistry

Some of the most critical and challenging issues that must be addressed in this century are environmental in nature. Finding good policy solutions to address these issues will require an understanding of the underlying processes that drive environmental changes. Many of these processes are chemical in nature and must be studied using the techniques of chemistry. The professional tools needed to address these problems are extensive expertise in the field of chemistry and a general knowledge of the field of environmental science. The BS degree program in Environmental Chemistry is designed to prepare college graduates with this type of expertise. A degree in Environmental Chemistry provides professional preparation for students interested in applying a rigorous scientific degree to careers in the environmental field. Graduates with this degree have a background appropriate for attending graduate school in chemistry or environmental science or for professional employment in environmental analysis and environmental remediation positions with corporations,

research labs and governmental agencies. Graduates of this program would also be well qualified to pursue a professional career in other areas of chemistry.

## Bachelor of Science with a Major in Environmental Chemistry

Refer to the General Requirements for a Major on page 32.

### Environmental Science and Policy Required Courses

ENSP 2324	Environmental Science	3 hrs
ENSP 3302	Environmental Geology	3 hrs
ENSP 4330	Environmental Politics and Policy	3 hrs
PHIL 3312	Environmental Ethics	<u>3 hrs</u>
		<b>12 hrs</b>

### Chemistry Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2000	Chemistry Seminar	0 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325	Organic Chemistry II	3 hrs
CHEM 3332	Spectroscopic, Chromatographic and Electrochemical Methods	

or

CHEM 4343	Biochemistry I	3 hrs
CHEM 3334	Structural Inorganic Chemistry	

or

CHEM 3337	Thermodynamics and Kinetics	3 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3242	Chemical Instrumentation Lab	2 hrs
CHEM 4153	Internship in Environmental Chemistry (twice)	2 hrs
CHEM 4157	Research (three times)	3 hrs
CHEM 3000+	One Upper-Division CHEM Elective	<u>3 hrs</u>
		<b>34 hrs</b>

### Supporting Required Courses

BIOL 1307, 1107*	General Biology: Cells and Organ Systems, Lab	4 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
SCIE 4345	History & Philosophy of Science	<u>3 hrs</u>
		<b>22 hrs</b>

### TOTAL MAJOR HOURS

**68 hrs**

\*BIOL 1308/1108 (General Biology: Genes/Organisms/Populations) may be substituted for BIOL 1307/1107.

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and electives to have a total of at least 120 hours for graduation.

## Environmental Science and Policy

Understanding and evaluating environmental problems require recognition of both how physical and biological processes maintain life and how human activities affect nature. Similarly, analyzing potential solutions requires knowledge of both sociopolitical institutions and natural processes. Therefore, the study of environmental issues requires a broad, interdisciplinary perspective. To meet this necessity, the Environmental Science and Policy (ENSP) program provides students with a firm basis in analyzing environmental issues both from the natural and from the social sciences.

The program is housed in Behavioral and Social Sciences, but with significant involvement from faculty in the Natural Sciences. ENSP graduates have opportunities to work in a wide array of fields, including governmental agencies, environmental organizations and international development agencies. In addition they are prepared for graduate study in traditional disciplines such as political science, law or biology, or in one of the more than 250 universities that offer advanced degrees in interdisciplinary environmental programs.

## Bachelor of Science with a Major in Environmental Science and Policy

### Environmental Science and Policy Required Courses

ENSP 1304	Introduction to Sustainability	3 hrs
ENSP 2302	Environmental Geology	3 hrs
ENSP 2324*	Environmental Science	3 hrs
ENSP 2341	Chemistry in the Environment	3 hrs
POLS 3328**	Political Research and Statistics	3 hrs
POLS 3334	Public Policy	3 hrs
POLS 4342	The Legislative Process and Lobbying	3 hrs
ENSP 4330	Environmental Politics and Policy	3 hrs
ENSP	One Other ENSP Course	3 hrs
ENSP 4350	Internship Experience in ENSP	3 hrs
ENSP 4352	Research Experience in ENSP	<u>3 hrs</u>
		<b>33 hrs</b>

\*Satisfies general education requirement (Science in Depth).

\*\* Students may substitute MATH 3320 (which requires Calculus I as a prerequisite) in place of POLS 3328.

### Supporting Required Courses

BIOL 1307/1107	General Biology/Lab: Cells, Genetics and Organ Systems	4 hrs
BIOL 1308/1108	General Biology/Lab: Organisms and Populations	4 hrs
CHEM 1340/1140	General Chemistry/Lab	4 hrs
ECON 2301	Microeconomic Principles	<u>3 hrs</u>
		<b>15 hrs</b>

### Specialization in a Single Discipline

Nine hours in a single discipline chosen from Political Science, Economics, Biology, Environmental Science and

Policy, Sociology or Chemistry. Students will consult with a faculty advisor in Environmental Science and Policy to select a sequence of courses appropriate for their interests. At least three of these hours will be upper-division.

9 hrs  
**TOTAL MAJOR HOURS** 57 hrs

*Students majoring in ENSP must take MATH 2312, Precalculus, or above to fulfill their math requirement.*

*If possible, students majoring in ENSP should take Environmental Topics for the Capstone Course.*

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Environmental Science and Policy

ENSP 1304	Introduction to Sustainability	3 hrs
ENSP 2302	Environmental Geology	3 hrs
ENSP 2324*	Environmental Science	3 hrs
ENSP 4330	Environmental Politics and Policy	3 hrs
ENSP	Two other Upper-Division	
	ENSP courses	6 hrs
		<b>18 hrs</b>

\*Satisfies general education requirement (Science in Depth).

## Finance

Finance is the study of value. Financial management of firms and individuals involves raising and using capital efficiently to add value. Corporate finance, investments and financial institutions are the major areas of finance covered by the core, required and elective Finance courses.

**Undergraduate business courses contain a content-relevant ethics component.**

***Note:** If you intend to pursue a graduate degree in Business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Finance

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>
		<b>6 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs

BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Finance Required Courses

FINC 3380	Intermediate Financial Management	3 hrs
FINC 4341	Investment Principles and Analysis	3 hrs

### Accounting Required Course

ACCT 3331	Intermediate Accounting I	3 hrs
-----------	---------------------------	-------

*Select four of the following courses (at least three FINC prefix):*

BUSI 3385	Internship	3 hrs
ECON 3336	International Trade and Finance	3 hrs
FINC 3334	Federal Taxation	3 hrs
FINC 3381	Entrepreneurial Finance	3 hrs
FINC 3399	Special Topics in Finance	3 hrs
	(may be repeated as topics vary)	
FINC 4343	Real Estate Finance	3 hrs
FINC 4346	International Finance	3 hrs
FINC 4348	Financial Institutions and Markets	3 hrs
FINC 4349	Cases in Applied Finance	<u>3 hrs</u>

21 hrs  
**66 hrs**

## TOTAL MAJOR HOURS

### Electives

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Forensic Chemistry

The Forensic Chemistry degree is designed to prepare the student to:

- work in a forensic crime laboratory;
- enter a graduate program in Forensic Chemistry or Chemistry; and
- enter a pre-professional program.

The degree plan represents a BS in Chemistry modified to include courses in Toxicology and Chemical Residue Analysis, with support courses in Criminal Justice. This major includes a mandatory forensics-based internship as part of the program's commitment to an experientially based curriculum.

## Bachelor of Science with a Major in Forensic Chemistry

Refer to the General Requirements for a Major on page 32.



### Chemistry Required Courses

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2000	Chemistry Seminar	0 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs
CHEM 3332	Spectroscopic, Chromatographic and Electrochemical Methods	3 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3242	Chemical Instrumentation Lab	2 hrs
CHEM 4331	Forensic Chemistry	3 hrs
CHEM 4232	Forensic Chemistry Laboratory	2 hrs
CHEM 4343	Biochemistry I	3 hrs
CHEM 4157	Research (three times)*	3 hrs
CHEM 3000+	Upper-Division Chemistry Course**	<u>3 hrs</u>
		<b>38 hrs</b>

\*CHEM 4151, *Internship in Forensic Chemistry*, may be substituted for one hour of CHEM 4157.

\*\*The required upper-division chemistry elective hours must come from a single three-hour lecture course.

### Criminal Justice Required Courses

CRIJ 3325	Criminal Evidence and Proof	3 hrs
FRSC 1319	Introduction to Forensic Science	3 hrs
FRSC 3320	Crime Scene Investigation I	3 hrs
FRSC 3120	Crime Scene Investigation I Lab	1 hr
FRSC 3321	Crime Scene Investigation II	3 hrs
FRSC 3121	Crime Scene Investigation II Lab	<u>1 hrs</u>
		<b>14 hrs</b>

### Supporting Required Courses

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
PHYS 2320*, 2125	Mechanics and Waves, Lab	4 hrs
PHYS 2321*, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>18 hrs</b>

**TOTAL MAJOR HOURS 70 hrs**

\*PHYS 2325 & PHYS 2326 may be substituted for PHYS 2320 & PHYS 2321.

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.

## Forensic Science

Forensic science is the application of science as it applies to law. This involves the application of scientific methodologies and legal and ethical protocols as they apply to the recognition, collection, documentation and preservation of forensic evidence that is collected at crime scenes. Properly collected evidence is then submitted to a laboratory for analysis by criminalists

(a.k.a. forensic scientists). This bachelor of science degree focuses on specialized courses in forensic crime scene investigation, criminal justice, criminology and a strong foundation in natural sciences. The Field Emphasis and Laboratory Emphasis degrees are designed to give students a more concentrated course of study within the overall field of forensic science. The major includes a mandatory senior research project or forensic-based internship as part of the program's commitment to creating a solid foundation for future work in the field of forensic science.

## Bachelor of Science with a Major in Forensic Science

### LABORATORY EMPHASIS

#### Forensic Science Required Courses

FRSC 1319	Introduction to Forensic Science	3 hrs
FRSC 3320	Crime Scene Investigation I	3 hrs
FRSC 3120	Crime Scene Investigation I Lab	1 hr
FRSC 3321	Crime Scene Investigation II	3 hrs
FRSC 3121	Crime Scene Investigation II Lab	1 hr
FRSC 4327	Professional Practica in Forensic Science	3 hrs
FRSC 4339	Principles of Science and Law	3 hrs
FRSC 4346	Death Investigations	3 hrs
FRSC 4348	Senior Research Seminar	3 hrs
<i>or</i>		
FRSC 4350	Senior Internship	3 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
		<b>26 hrs</b>

#### Required Core Courses

CRIJ 1302	Administration of Justice	3 hrs
BINF 3411	Genomics	4 hrs
BIOL 1307/1107	General Biology/ Lab: Cells, Genetics & Organ Systems	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
CHEM 1340/1140	General Chemistry/ Lab	4 hrs
CHEM 2320/2120	Analytical Chemistry/Lab	4 hrs
CHEM 2323/2123	Organic Chemistry/Lab	4 hrs
PHYS 2325/2125	University Physics I/Lab	4 hrs
PHYS 2326/2126	University Physics II/Lab	4 hrs
MATH 3320	Applied Statistics	<u>3 hrs</u>
		<b>37 hrs</b>

#### Required Supporting Courses

(12–14 hours, 10 of which must be upper division)

BIOL 2401	Anatomy and Physiology I	4 hrs
BIOL 3339/3139	Microbiology/Lab	4 hrs
BIOL 3345	Human Genetics	3 hrs
BIOL 3454	Developmental Biology	4 hrs
BIOL 4342/4142	Population Biology and Ecology/Lab	4 hrs
CHEM 3325/3125	Organic Chemistry II/Lab	4 hrs
CHEM 3242	Chemical Instrumentation Lab	2 hrs

CHEM 4331/4232	Forensic Chemistry/Lab	4 hrs
CHEM 4343	Biochemistry	4 hrs
MATH 2314	Calculus II	3 hrs
FRSC 4349	Topics in Forensic Science	<u>3 hrs</u>
		<b>12–14 hrs</b>
<b>TOTAL MAJOR HOURS</b>		<b>75–77 hrs</b>

*Courses taken in the Laboratory Emphasis degree fulfill the general education requirements for Science in Perspectives and Science in Depth.*

*SCIE 4345 fulfills the general education requirement for CULF 3330, History and Evolution of Global Processes.*

*Students majoring in Forensic Science must take MATH 2313 or above to fulfill their math requirement.*

*Philosophy, as part of the general education requirements, must be fulfilled by PHIL 2329 Ethical Analysis or PHIL 3301 Legal Ethics.*

## FIELD EMPHASIS

### *Forensic Science Required Courses*

FRSC 1319	Introduction to Forensic Science	3 hrs
FRSC 3320	Crime Scene Investigation I	3 hrs
FRSC 3120	Crime Scene Investigation I Lab	1 hr
FRSC 3321	Crime Scene Investigation II	3 hrs
FRSC 3121	Crime Scene Investigation II Lab	1 hr
FRSC 4339	Principles and Practices of Science and Law	3 hrs
FRSC 4327	Professional Practica in Forensic Science	3 hrs
FRSC 4346	Death Investigations	3 hrs
FRSC 4348	Senior Research Seminar	3 hrs
or		
FRSC 4350	Senior Internship	<u>3 hrs</u>
		<b>23 hrs</b>

### *Required Core Courses*

CRIJ 1302	Administration of Justice	3 hrs
CRIJ 3325	Criminal Evidence and Proof	3 hrs
BINF 3411	Genomics	4 hrs
BIOL 1307/1107	General Biology/ Lab	
	Cells, Genetics & Organ Systems	4 hrs
BIOL 2334	Molecular Biology	3 hrs
BIOL 2401	Anatomy & Physiology	4 hrs
CHEM 1340/1140	General Chemistry/ Lab	4 hrs
CHEM 2320/2120	Analytical Chemistry/Lab	4 hrs
PHYS 2325/2125	University Physics I/Lab	4 hrs
MATH 3320	Applied Statistics	<u>3 hrs</u>
		<b>36 hrs</b>

### *Required Supporting Courses*

*(12 hours, six of which must be upper division)*

CRIJ 2328	American Law Enforcement	3 hrs
CRIM 3331	Crime Victims (Victimology)	3 hrs
CRIM 3336	Criminology	3 hrs
FRSC 3332	Crime Scene Photography	3 hrs
FRSC 4349	Topics in Forensic Science	3 hrs
PSYC 2305	Introduction to Forensic Psychology	3 hrs

PSYC 4345	Violent Sex Offenders	<u>3 hrs</u>
		<b>12 hrs</b>

## **TOTAL MAJOR HOURS** **71 hrs**

*Courses taken in the Field Emphasis degree fulfill the general education requirements for Science in Perspective and Science in Depth.*

*Students majoring in Forensic Science must take MATH 2313 or above to fulfill their math requirement.*

*Philosophy, as part of the general education requirements, must be fulfilled by PHIL 2329, Ethical Analysis, or PHIL 3301, Legal Ethics.*

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Forensic Science**

FRSC 1319	Introduction to Forensic Science	3 hrs
FRSC 3320	Crime Scene Investigation I	3 hrs
FRSC 3120	Crime Scene Investigation I Lab	1 hr
FRSC 3321	Crime Scene Investigation II	3 hrs
FRSC 3121	Crime Scene Investigation II Lab	1 hr
FRSC 3332	Crime Scene Photography	3 hrs
FRSC 4339	Principles and Practices of Science and Law	3 hrs
CRIM 3331	Crime Victims (Victimology)	3 hrs
CRIJ 3336	Criminology	<u>3 hrs</u>
<b>TOTAL</b>		<b>23 hrs</b>

## **French**

French is more than the language of one large, European economic power. It is the official language of 30 countries worldwide and has recently been more in demand than Spanish for jobs with the U.S. State Department. French and English are the two working languages of the United Nations, giving speakers of both languages an enormous advantage there. French is the language of key cities in the European Union such as Brussels, Paris and Geneva. It is also crucial for aid and nongovernmental organizations (NGOs) in the French-speaking world from Africa to the Caribbean.

At St. Edward's University students use their French at our satellite campus in beautiful Angers, France. St. Edward's course credit can be gained with summer, one- or two-semester classes in Angers.

The French Studies major offers students a variety of course choices with great flexibility, including the option to take two courses in English when the topics reflect France or the Francophone world (e.g. CULF 3331, CLLC 3399, HIST 2313, HIST 2349, and HIST 3320).

## **Bachelor of Arts with a Major in French**

### *Required Courses*

*Advanced students may be exempt; see the area coordinator.*

FREN 2311	French III	3 hrs
FREN 2312	French IV	3 hrs

FREN 2325	Reading and Listening Comprehension	3 hrs	FREN 2326	Practical Conversation	3 hrs
FREN 2326	Practical Conversation	3 hrs	FREN 3335	Advanced Composition and Conversation I	<u>3 hrs</u>
FREN 3335	Advanced Composition and Conversation I	<u>3 hrs</u>			<b>12 hrs</b>
		<b>15 hrs</b>			

*Choose six hours from the following courses:*

CULF 3331	Contemporary World Issues (approved topic)	3 hrs
HIST 2313	The French Revolution	3 hrs
HIST 2349	Topics (approved topic)	3 hrs
HIST 3320	European History: Reformation Through 1900	3 hrs
FREN 3331	Topics in French and Francophone Literature and Film	3 hrs
FREN 3334	Business French	3 hrs
FREN 3337	Topics in French and Francophone Cultural Studies	3 hrs
FREN 4350	Internship	<u>3 hrs</u>
		<b>6 hrs</b>

### **Electives**

*Students will choose 15 hours from the following courses to complete the 36 hours required for the major. A maximum of six hours can be taken through FREN 3331 with different topics. A maximum of nine hours can be taken through FREN 3337 or FREN 3339 with different topics.*

CLLC 3199–3399	Comparative Languages, Literatures and Cultures	1–3 hrs
FREN 3331	Topics in French Literature and Film (topics must vary; six hrs max)	
FREN 3332	Survey of French History	3 hrs
FREN 3337	Topics in French Cultural Studies (topics must vary; nine hrs max)	
FREN 3339	Topics in French Language and Linguistics (topics must vary; nine hrs max)	<u>18 hrs</u>

**TOTAL MAJOR HOURS** **36 hrs**

### **Requirements for a Minor in French**

Students will complete 18 hours of French courses. At least six hours towards the minor must be taken in residence at St. Edward's University. An additional six hours must be taken at St. Edward's or in approved study-abroad programs. At least nine of the hours taken abroad or in residence must be upper-division or represent courses in the language beyond the intermediate level. For additional requirements regarding the minor, see General Requirements for a Minor on page 33.

#### **Required Courses**

*Advanced students may be exempt; see the area coordinator.*

FREN 2311	French III	3 hrs
FREN 2312	French IV	3 hrs
FREN 2325	Reading and Listening Comprehension	3 hrs

or

FREN 2326	Practical Conversation	3 hrs
FREN 3335	Advanced Composition and Conversation I	<u>3 hrs</u>
		<b>12 hrs</b>

*Choose six hours from the following courses:*

CULF 3331	Contemporary World Issues (approved topic)	3 hrs
HIST 3320	European History: Reformation Through 1900	3 hrs
FREN 3331	Topics in French and Francophone Literature and Film	3 hrs
FREN 3332	Survey of French History	3 hrs
FREN 3334	Business French	3 hrs
FREN 3337	Topics in French and Francophone Cultural Studies	3 hrs
FREN 3339	Topics in French Language and Linguistics	3 hrs
FREN 4350	Internship	<u>3 hrs</u>
		<b>6 hrs</b>
<b>TOTAL</b>		<b>18 hrs</b>

*The following course may be used for the minor if cross-listed with FREN 3331:*

CULF 3331	Contemporary World Issues (approved topic)	3 hrs
-----------	--	-------

## **German**

### **Requirements for a Minor in German**

Students will complete 18 hours of German courses. At least six hours toward the minor must be taken in residence at St. Edward's. An additional six hours must be taken at St. Edward's or as approved study-abroad hours. At least nine of the hours taken in residence or abroad must be upper-division or represent courses in the language beyond the intermediate level. For additional requirements regarding the minor, see General Requirements for a Minor on page 33.

#### **Required Courses**

GERM 2311	German III (Intermediate Level)	3 hrs
GERM 2312	German IV (Intermediate Level)	3 hrs

*Choose 12 hours from the following courses:*

CLLC 3199–3399	Comparative Languages, Literatures and Cultures	1–3 hrs
GERM 3331	Culture and Civilization of Modern Germany	3 hrs
GERM 3334	Business German	3 hrs
GERM 3335	Advanced Conversation and Composition	3 hrs
GERM 3338	Topics in Language, Literature or Culture*	3 hrs
GERM 3350	Internship	<u>3 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

*\* This is a three-hour course that can be repeated for credit as topics vary.*

Students pursuing a minor in German are encouraged to attend the German Summer School in Taos, N.M. (sponsored by the Goethe Institute), or to study abroad, where they may earn up to seven credit hours toward the minor.

In collaboration with the Goethe Institute, the German program offers the following internationally recognized language examinations (all tests address reading, writing, listening and oral communication skills):

### **Zertifikat Deutsch B1**

*Prerequisite:* GERM 2312 or equivalent.

*Significance:* Because of its worldwide reputation, this test is highly regarded by private- and public-sector employers as proof of a basic knowledge of German.

### **Zertifikat Deutsch C1**

*Significance:* Worldwide reputation, helpful in job hunting as proof of a sound general knowledge of German.

### **Zentrale Oberstufenprüfung**

*Significance:* Final examination for the Goethe Institute advanced level. Entitles students to study at German universities.

## **Global Studies**

Global Studies is an interdisciplinary major that brings together the fields of world geography, global history and international politics. Global Studies majors debate key issues facing nations today, compare political systems and cultures around the world, evaluate how people are influenced by their physical, cultural and political environments, analyze how major civilizations respond to the processes of modernity and globalization, examine the role of diplomacy in international relations, attempt to understand the causes of war and the means to promote peace, and study the intricacies of the international political economy. Students also acquire an expertise in a specific region of the world through advanced courses in history, political science and economics and, in many cases, through study abroad. Global Studies students develop a proficiency in a foreign language related to their area of interest and have the opportunity to participate in a variety of activities, such as study abroad, an internationally-focused internship, conference presentations, and an annual Model Organization of American States competition. The Global Studies major helps prepare students for additional studies in graduate or law school as well as in such globally-oriented careers as diplomacy, international aid and assistance, with intergovernmental organizations, and in international business.

## **Bachelor of Arts with a Major in Global Studies**

### **Global Studies Required Courses**

GEOG 1303	World Geography	3 hrs
GLST 1322	Global Issues	3 hrs
HIST 2329	World Civilization: The Modern World	3 hrs
POLS 2332	International Relations	3 hrs

POLS 2341	Comparative Politics	3 hrs
GLST 3335	International Political Economy	3 hrs
GLST 4345	Senior Seminar	3 hrs
GLST 4151	Study Abroad	1 hr
or		
GLST 4352	Internship	3 hrs

**22–24 hrs**

### **Regional Courses**

**12 hrs**

Students will choose one geographic area and take the survey course for that area (GLST 1324, 1325, 1326, 1327, 1328), as well as three more courses (nine additional hours) in history, political science, economics or other courses related to that geographic area, as approved by their GLST advisor. (Some geographic area concentrations may require study abroad.)

### **Language Courses**

**0–12 hrs**

Students will demonstrate intermediate level of proficiency in a language related to their area of interest. This may be done by completing 12 credit hours of modern language or by demonstrated proficiency.

### **Thematic Tracks**

**9 hrs**

*Students will choose nine hours of courses from one of the following tracks, six of which must be from upper-division courses:*

### **GLOBAL PUBLIC HEALTH**

BIOL 2330	Epidemiology	3hrs
GLST 3332	Issues in Global Public Health	3hrs

*Choose one of the following courses*

GLST 3337	International Organizations	3hrs
POLS 3334	Public Policy	3hrs
SOCI 3315	Sociology of the Environment	3hrs

### **INTERNATIONAL BUSINESS AND ECONOMICS**

ECON 2301	Microeconomics	3 hrs
ECON 3321	Economics of Latin America	3 hrs
IBUS 3330	International Management	3 hrs
IBUS 3399	Special Topics in International Business	3 hrs
ECON 4344	Economics of Development	3 hrs
IBUS 4380	International Business Administration	3 hrs

### **INTERNATIONAL CONFLICT, COOPERATION AND SECURITY**

GLST 3337	International Organizations	3 hrs
POLS 3335	American Foreign Relations	3 hrs
GLST 4343	International Security and Conflict Resolution	3 hrs
POLS 4351	Strategic Intelligence and Covert Action	3 hrs

### **TOTAL MAJOR HOURS**

**43–57 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*



## Requirements for a Minor in Global Studies

GLST 1322	Global Issues	3 hrs
GLST 1324/1325/1326/1327/1328		
	One GLST area survey course	3 hrs
	One advanced course related to the area chosen	3 hrs
	One advanced course from each of the two tracks in the major	6 hrs
GLST 4345	Senior Seminar in Global Studies	<u>3 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

## Graphic Design

Graphic designers shape our visual environment through the experimentation and use of typography, image and form. As mediators of knowledge and experiences, graphic designers contribute to the formation and expression of complex societal ideas and values. Students at St. Edward's University acquire the skills to critically investigate the context in which design is created and used as well as to explore history, theory, methods and technology. The Graphic Design program prepares students for continued studies through graduate programs in design and provides a starting point for students wishing to enter the field.

An online portfolio is required of all Graphic Design majors and minors. This component of the degree is introduced in GDES 2313, Graphic Design I. Students are required to update, maintain and refine their online portfolio from one semester to the next.

Transfer or New College students are required to submit portfolios for review by Graphic Design program faculty before registering for courses where transfer credit for prerequisites has been given. See course descriptions for courses that apply.

## Bachelor of Arts with a Major in Graphic Design

### Graphic Design Required Courses

VISU 1100	First Year Seminar in Visual Studies	1 hr
VISU 1311	Visual Studies I	3 hrs
ARTS 1311	Foundation Art and Design	3 hrs
ARTS 1316	Drawing I	3 hrs
GDES 1314	Typography I	3 hrs
GDES 2313	Graphic Design I	3 hrs
GDES 2321	Image Methodology	3 hrs
GDES 2331	Graphic Design II	3 hrs
GDES 2049	Sophomore Portfolio Review	0 hrs
GDES 3300	History of Graphic Design	3 hrs
GDES 3304	Advanced Issues in Typography	3 hrs
GDES 3315	Graphic Design III	3 hrs
GDES 3335	Interaction Design	3 hrs
GDES 3343	Junior Studio	3 hrs
GDES 3049	Junior Portfolio Review	0 hrs
GDES 4316	Topics in Graphic Design	3 hrs
GDES 4333	Senior Studio	3 hrs
GDES 4344	Social Design	3 hrs

GDES 4049	Senior Exhibition and Portfolio Review	0 hrs
GDES 4350	Internship	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>49 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Graphic Design

### Required Courses

ARTS 1311	Foundation Art and Design	3 hrs
GDES 1314	Typography I	3 hrs
GDES 2313	Graphic Design I	3 hrs
GDES 2321	Image Methodology	3 hrs
GDES 2331	Graphic Design II	3 hrs
GDES 2049	Sophomore Portfolio Review	0 hrs
GDES 3300	History of Graphic Design	3 hrs
GDES 3304	Advanced Issues in Typography	3 hrs
GDES 3315	Graphic Design III	3 hrs
GDES 3049	Junior Portfolio Review	<u>0 hrs</u>
<b>TOTAL</b>		<b>24 hrs</b>

## History

History tells us how we got to be what we are, and therefore it has always been valued by those who take an interest in the development of societies. Learning how people in other days met the challenges that faced them is both humanizing and instructive. We can live more understandingly and usefully if we have pondered what history has to tell us.

A major in History may serve a variety of professional objectives, including teaching, government service, private business or law.

Within the History program, there is a selection of courses for the study of the United States, Europe, the ancient world, Latin America and occasionally other areas.

## Bachelor of Arts with a Major in History

### History Required Courses

HIST 1301	U.S. History to 1877	3 hrs
HIST 1302	U.S. History Since 1877	3 hrs
HIST 1303	Introduction to Historical Methods	3 hrs
HIST 2311	Western Civilization	3 hrs
HIST 2321	World Civilization:	
	The Pre-Modern World	3 hrs
HIST 2329	World Civilization:	
	The Modern World	3 hrs
HIST 3320	European History: Reformation Through 1900	3 hrs
HIST 4342	Senior Research Seminar	3 hrs
HIST 4344	20th Century Europe	<u>3 hrs</u>
		<b>27 hrs</b>

### Area Requirements

Latin American History	3 hrs
U.S. History (HIST 3322, 3324, 3331, 3332, 3333 or 3335 only)	6 hrs
European History	<u>3 hrs</u>
<b>History Electives</b>	<b><u>6 hrs</u></b>
<b>TOTAL MAJOR HOURS</b>	<b>45 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in History

At least half of the hours must be completed at St. Edward's University.

### Required Course

HIST 1303	Introduction to Historical Methods	3 hrs
HIST	Choose five HIST electives with at least three above 3000	<u>15 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

## Interactive Games Management

Austin has long been known for its music and film industries, but currently the most dynamic digital media business growth in Texas is Austin's interactive video game industry. The video game companies with a significant presence in Austin include some of the industry's most prominent studios and developers, such as Sony Online Entertainment, Electronic Arts, BioWare, Disney Interactive Studios, NCSoft, Aspyr Media and many others. With many game industry entry-level jobs having a starting salary of \$65,000, there is not only a need but an actual demand for a qualified and educated workforce that understands the special requirements of properly managing that workforce.

The BBA in Interactive Games Management offers a unique and challenging degree plan specifically designed from the ground up to meet the needs of this exciting field. Drawing upon national and local industry expertise and St. Edward's University's industry-leading Digital Media Management degrees, the program exposes students to all three phases of the game industry: business, technology and digital creation. Upon graduation, students have a working and intimate knowledge of the game industry buttressed with and influenced by a strong business and management foundation.

Furthermore, in addition to being a stand-alone program, the courses comprising the BBA in Interactive Games Management have also been designed to provide a foundation for students who want to pursue the MBA in Digital Media Management upon graduation.

## Bachelor of Business Administration with a Major in Interactive Games Management

### General Education Supportive Requirements

COSC 1323	Computing Sciences Concepts I	3 hrs
COSC 1123	Computing Sciences Concepts I Lab	1 hr
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>
		<b>7 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communications	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Interactive Games Management Required Courses

BDMM 2301	Principles of Digital Media & Entertainment	3 hrs
BDMM 3334	Digital Interactive Technology	3 hrs
BDMM 3338	Digital Media Production Planning	3 hrs
BDMM 4330	Digital Media and Law	3 hrs
IGMT 2305	The Business of Gaming	3 hrs
IGMT 3320	Game Design Studio	3 hrs
IGMT 3120	Game Design Studio Lab	1 hr
IGST 3328	Interactive Storytelling	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>68 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Interactive Games Studies

Austin has long been known for its music and film industries, but currently the most dynamic digital media business growth in Texas is Austin's interactive video game industry. The video game companies with a significant presence in Austin include some of the industry's most prominent studios and developers, such as Sony Online Entertainment, Electronic Arts, BioWare, Disney Interactive Studios, NCSoft, Aspyr Media and many others. With many game industry entry-level jobs having a starting salary of \$65,000, there is not only a need but an actual demand for a qualified and educated workforce

that understands the special requirements of properly managing that workforce.

Sharing much of the same digital core curricula with the BBA in Interactive Games Management, the BA in Interactive Games Studies exposes students to all three phases of the game industry: business, technology and digital creation. However, this major reflects the game industry's acknowledgment of its growing need for producers schooled in a more liberal arts background yet fully competent in game design. Not only by the addition of another complete level of Game Design courses, the BA in Interactive Games Studies rounds out the studies with increased emphasis on liberal arts curricula focusing on digital art, intermediate programming and scripting, interactive storytelling and world building in literature.

## Bachelor of Arts with a Major in Interactive Games Studies

### General Education Supportive Requirements

COSC 1318	Quantitative Applications Software for PC's	3 hrs
MATH 2312	Precalculus	<u>3 hrs</u>
		<b>6 hrs</b>

### Art and English Foundations

ARTS 1311	Foundation Art and Design	3 hrs
ARTS 1316	Drawing I	3 hrs
ARTS 3336	Life Drawing	3 hrs
ENGW 3309	Stage and Screen Writing II	<u>3 hrs</u>
		<b>12 hrs</b>

### Computational Foundations

COSC 1123	Computing Sciences Concepts I Lab	1 hr
COSC 1323	Computing Sciences Concepts I	3 hrs
COSC 2125	Computing Sciences Concepts II Lab	1 hr
COSC 2325	Computing Sciences Concepts II	3 hrs
COSC 3339	Software Engineering I	3 hrs
COSC 3327	Algorithms and Data Structures	<u>3 hrs</u>
		<b>14 hrs</b>

### Digital Media Foundations

BDMM 2301	Principles of Digital Media & Entertainment	3 hrs
BDMM 3338	Digital Media Production Planning	<u>3 hrs</u>
		<b>6 hrs</b>

### Interactive Games Studies Foundations

IGMT 2305	The Business of Gaming	3 hrs
IGMT 3120	Game Design Studio Lab	1 hr
IGMT 3320	Game Design Studio I	3 hrs
IGMT 3130	Game Design Studio II Lab	1 hr
IGMT 3330	Game Design Studio II	3 hrs
IGST 2318	World Building in Literature	3 hrs
IGST 2325	Introduction to Digital Music and Audio	3 hrs
IGST 3312	Fundamentals of Artificial	

	Intelligence for Games	3 hrs
IGST 3327	Computer Graphics and Animation	3 hrs
IGST 3328	Interactive Storytelling	<u>3 hrs</u>
		<b>26 hrs</b>

### Mathematics Foundations

MATH 2315	Discrete Mathematics	<u>3 hrs</u>
		<b>3 hrs</b>

### TOTAL MAJOR HOURS

**67 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Interdisciplinary Studies

The student-designed Interdisciplinary Studies major gives qualified students the maximum flexibility to utilize the extensive academic resources available at St. Edward's University to design unique multidisciplinary degree plans that best meet their career goals. These multidisciplinary degree plans may lead to a Bachelor of Arts, Bachelor of Science or Bachelor of Business Administration degree, depending on the specific major involved. The actual name of the major (e.g., Bioethics) will appear on the student's transcript. Student applications for an Interdisciplinary Studies major must be submitted by Feb. 15 or the first working day thereafter for the spring semester, or by Oct. 1 for the fall semester.

Interdisciplinary Studies degree plans must satisfy the following criteria:

- Satisfy all general education and graduation requirements
- Be truly interdisciplinary and integrate knowledge and coursework from at least three separate disciplines
- Not replicate an existing St. Edward's University major
- Be feasible using existing St. Edward's University courses and faculty members
- Include a total of at least 42 semester hours of credit in an interdisciplinary major
- Include at least 18 semester hours of credit from one academic discipline
- Include at least 12 semester hours of credit from a second academic discipline
- Include credit for at least two research and/or creative expression courses appropriate for the chosen major
- Use upper-division courses for at least half of the total course credits in the degree plan

Students must meet the following eligibility criteria to be considered as a candidate for pursuing an Interdisciplinary Studies major:

- Complete between 15 and 45 hours of credit at St. Edward's and have at least a 3.6 cumulative GPA at St. Edward's before applying
- Be recommended for the program by an

Interdisciplinary Studies faculty advisor

- Maintain a cumulative GPA of 3.0 or above

A prospective Interdisciplinary Studies student must find a faculty advisor who both possesses appropriate expertise in the area the student wishes to study and is willing to assist in the design and implementation of the interdisciplinary major. In consultation with the advisor the student should draft a proposal for the planned Interdisciplinary Studies major. Proposals should include:

- A two-to-three-page overview describing the proposed Interdisciplinary Studies major
- The rationale for the particular interdisciplinary major being proposed
- The name of the faculty advisor
- A list of the specific courses in the degree plan for the proposed interdisciplinary major
- The sequence in which the courses will be completed

After approval by the student's faculty advisor, the student's application will be reviewed by a committee that consists of the faculty advisor as chair and one faculty member from each of the three disciplines containing the most credit hours in the proposed degree plan. It should then be approved by the faculty advisor's school dean and, if different, by the dean of the school offering courses in the discipline with the most hours in the student's degree plan. The student will be notified of the status of the application as soon as possible but not later than six weeks after the application due date.

## International Business

As we enter the new millennium, business has moved from the local, regional and national levels to a global economy that encompasses both developed and developing nations. Multinational corporations, due to incentives from governments, are expanding their international operations to provide technical dissemination with marketing and manufacturing opportunities. There is no longer any such thing as a purely national economy, as every major corporation seeks to have a worldwide presence. Business executives today believe it is important that their managers have a global perspective.

The objective of the major in International Business is to provide students with an opportunity to develop and concentrate their knowledge and management skills toward a multinational environment that knows no geographic, cultural or regional boundaries.

The curriculum provides students with the necessary business foundation to enter the corporate environment with a background in management, markets, customs and ethics in other countries.

**Undergraduate business courses contain a content-relevant ethics component.**

*Note: If you intend to pursue a graduate degree in business, please*

*consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in International Business

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u> <b>6 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u> <b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### International Business Required Courses

IBUS 4380	International Business Administration	3 hrs
IBUS 4341	International Marketing	3 hrs
IBUS 4346	International Finance	
or		
IBUS 3336	International Trade and Finance	3 hrs

*Select one of the following courses:*

BUSI 3385	Internship	3 hrs
IBUS 3330	International Management	3 hrs
IBUS 3336	International Trade and Finance	3 hrs
IBUS 3399	Special Topics	3 hrs
IBUS 4346	International Finance	3 hrs
POLS 2332	International Relations	3 hrs
ECON 4344	The Economics of Development	3 hrs
Business Elective	Any Upper-Division Business Course	<u>3 hrs</u> <b>12 hrs</b>

### Requirements for Language/Regional Emphasis

Students must achieve an intermediate level of proficiency in a language related to their area of interest. This may be done by completing 12 credit hours of modern language or by demonstrating proficiency.

*Spanish/Latin America*



SPAN 1311	Spanish I	3 hrs
SPAN 1312	Spanish II	3 hrs
SPAN 2311	Spanish III	3 hrs
SPAN 2312	Spanish IV	3 hrs
Spanish language, regional culture or regional history electives*		6 hrs

or

#### German/Europe

GERM 1311	German I	3 hrs
GERM 1312	German II	3 hrs
GERM 2311	German III	3 hrs
GERM 2312	German IV	3 hrs
German language, regional culture or regional history electives*		6 hrs

or

#### French/Europe

FREN 1311	French I	3 hrs
FREN 1312	French II	3 hrs
FREN 2311	French III	3 hrs
FREN 2312	French IV	3 hrs
French language, regional culture or regional history electives*		6 hrs

or

#### Japanese/Asia

JAPN 1311	Japanese I	3 hrs
JAPN 1312	Japanese II	3 hrs
JAPN 2311	Japanese III	3 hrs
JAPN 2312	Japanese IV	3 hrs
Japanese language, regional culture or regional history electives*		<u>6 hrs</u>

**18 hrs**

\* Consult your advisor for a list of approved courses.

**Note:** Other languages/regional emphasis combinations (e.g., Chinese/Asia or Russian/Eurasia) may be available. Please consult your advisor.

**TOTAL MAJOR HOURS 75 hrs**

#### Electives

Electives comprise any hours of coursework that satisfy the university's requirement for college-level course credit.

In addition to the major program requirements, all students must satisfy the general requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.

### Requirements for a Minor in

#### International Business

IBUS 3330	International Management	3 hrs
IBUS 3332	Seminar in Global Business	3 hrs
IBUS 3336	International Trade and Finance	3 hrs
or		
IBUS 4346	International Finance	3 hrs
IBUS 3399	Special Topics	3 hrs
IBUS 4341	International Marketing	3 hrs
IBUS 4380	International Business Administration	<u>3 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

Up to nine hours of the minor can be completed at international institutions.

### Jewish Studies

The minor in Jewish Studies is an interdisciplinary program that complements the student's academic major. The minor offers students a comprehensive foundation in the study of Judaism, from the ancient through the medieval to the modern. Inasmuch as Judaism as both a religion and a culture has enriched various regions of the world throughout history while being itself affected by these interactions, a distinguishing feature of the minor is that students explore points of contact between the Jewish and non-Jewish worlds. The goal is that students will understand Judaism deeply and discuss at length the pivotal role that Judaism has played in world events. Students achieve this goal by completing coursework in a variety of disciplines: religious studies, literature, languages and history. Additionally, study abroad is highly encouraged.

The Jewish Studies minor requires nine hours of core coursework with an additional nine hours of coursework from the list of electives below, six of which must be upper-division.

### Requirements for a Minor in Jewish Studies

#### Required Courses (nine hours)

CULF 1318	Literature and Human Experience:	
	Jewish Literature	3 hrs
RELS 2321	Introduction to the Hebrew Bible	3 hrs
RELS 3304	Religions of the Book: Judaism	<u>3 hrs</u>
		<b>9 hrs</b>

#### Electives (nine hours, six hours must be upper-division)

GLST 1327	Survey of the Middle East	3 hrs
GLST 4345	Senior Seminar in Global Studies	3 hrs
RELS 2302	Abrahamic Traditions	3 hrs
RELS 2325	Topics in the Hebrew Bible	3 hrs
RELS 3320	Archaeology and the Bible	3 hrs
RELS 3326	Traditions of the End Times:	
	Messiah and Apocalypse	3 hrs
RELS 4303	Dialogue of World Religions	<u>3 hrs</u>
		<b>9 hrs</b>
<b>TOTAL</b>		<b>18 hrs</b>

**Note:** With prior approval, study-abroad courses, especially courses in Israel, may be counted as additional courses toward the Jewish Studies minor.

### Journalism

The Journalism minor will teach students to identify news, develop story ideas, research and report information, write in a journalistic style, and publish or broadcast information. The program will prepare students for jobs with newspapers, magazines and Internet sites, as well as

in radio and television and related fields, including public relations, political and corporate communications, and nonprofit organizations. The minor supports discipline-specific majors — Political Science, History, Sociology, etc. — in that students who are aspiring journalists are more likely to be employed in media jobs if these students major in discipline-specific fields and minor in Journalism. A significant component of the minor will focus on the ethics of the industry.

In addition, the Journalism minor will teach students to be more thoughtful consumers of news and, in turn, more responsible citizens. They will learn to critically read a newspaper and to analyze and assess the information they receive from both print and electronic sources. This is a valuable skill for students whether or not they attend graduate school, or if they pursue a career in the liberal arts or in business.

The Journalism minor requires 15 hours of core coursework with an additional six hours of Journalism electives. A total of 21 hours of completed coursework will be required to earn a minor in Journalism.

## Requirements for a Minor in Journalism

### Required Courses

COMM 3330	Media Standards and Practices	3 hrs
JOUR 2310	Copy Editing	3 hrs
JOUR 2314	Interactive Media Production and Design	3 hrs
JOUR 2321	Journalism I	3 hrs
JOUR 3322	Journalism II: Online Journalism	<u>3 hrs</u>
		<b>15 hrs</b>

### Electives

Select two course from the following; one must be upper-division.

JOUR 2328	Broadcast Journalism	3 hrs
JOUR 3303	Opinion Writing	3 hrs
JOUR 3304	Entertainment Journalism	3 hrs
JOUR 3320	Advanced Broadcast Journalism	3 hrs
JOUR 3324	Sports Journalism for Broadcast	3 hrs
JOUR 4305	Journalism III	3 hrs
JOUR 4331	Special Topics in Print Journalism	3 hrs
JOUR 4332	Special Topics in Broadcast Journalism	3 hrs
JOUR 4350	Internship	3 hrs
COMM 4324	Documentary	3 hrs
ENGW 4342	Magazine Writing	<u>3 hrs</u>
		<b>6 hrs</b>
<b>TOTAL</b>		<b>21 hrs</b>

## Kinesiology

This course of study is designed to prepare students for careers as athletic trainers, managers, physical therapists, recreational directors, coaches, and teachers of physical education in elementary and secondary schools. The

program leads to a bachelor of arts degree.

Consult the information for teacher education in this *Bulletin* for complete information on areas of specialization in EC-12 Physical Education (see page 101).

## Bachelor of Arts with a Major in Kinesiology

### Kinesiology Required Courses

KINE 1120-1124	Instructional Topics (four courses)	4 hrs
KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 2324	Physical Activity, Recreation and Sports for Special Populations	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3333	Management of Kinesiology and Sports Programs	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4345	Legal and Ethical Issues in Sport and Kinesiology	3 hrs
KINE 4350	Internship in Kinesiology and Sports	3 hrs
KINE 3330+	Upper-Division Electives	<u>6 hrs</u>
		<b>40 hrs</b>

### Supporting Required Courses

BIOL 1306*	Biology Principles	3 hrs
BIOL 2401*	Anatomy and Physiology I	<u>4 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>47 hrs</b>

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

## Bachelor of Arts with a Major in Kinesiology (Athletic Training Emphasis)

St. Edward's University offers an academic program by which an individual can qualify to sit for the licensure test administered by the Advisory Board of Athletic Trainers through the Texas Department of State Health Services. Upon passing the licensure test, the newly licensed athletic trainer may work within the State of Texas only. The required courses of study and the experiential requirements are delineated below.

### Kinesiology Required Courses

KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 1320	Safety and First Aid	3 hrs
KINE 2324	Physical Activity, Recreation and Sports for Special Populations	3 hrs
KINE 2335	Prevention and Treatment	

	of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3333	Management of Kinesiology and Sports Programs	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs
KINE 3347	Evaluation of Athletic Injuries	3 hrs
KINE 3348	Rehabilitation and Therapeutic Modalities	3 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4340	Coaching Theory and Practice	3 hrs
KINE 4345	Legal and Ethical Issues in Sport and Kinesiology	3 hrs
KINE 1151–4157	Practica in Athletic Training (6 times)	<u>6 hrs</u>
		<b>45 hrs</b>

### ***Supporting Required Courses***

BIOL 1306*	Biology Principles	3 hrs
BIOL 2401*	Anatomy and Physiology I	4 hrs
CHEM 1305*	Introduction to Chemistry	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>55 hrs</b>

\* Required support courses cannot be taken Pass/No Pass.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

### ***State of Texas Athletic Trainers License***

To be licensed as an athletic trainer in Texas, an individual must meet the following university and general requirements:

1. Complete the following courses at St. Edward's:
 

BIOL 2401	Anatomy and Physiology I
KINE 1320	Safety and First Aid
KINE 2335	Prevention and Treatment of Athletic Injuries
KINE 2344	Concepts of Physical Fitness and Wellness
KINE 3334	Musculoskeletal Anatomy and Biomechanics
KINE 3347	Evaluation of Athletic Injuries
KINE 3348	Rehabilitation and Therapeutic Modalities
KINE 4337	Exercise Physiology
2. Hold valid standard First Aid and adult CPR certifications.
3. Perform and document 1,800 clock hours of field experience on the St. Edward's University campus under the direct supervision of a state-licensed staff athletic trainer. Experience must be completed in no less than five fall and/or spring semesters, with no fewer than 600 clock hours completed within each academic year (KINE 1151–4157, Practica in

- Athletic Training).
  4. Earn a baccalaureate degree.
  5. Successfully complete the Texas Athletic Trainer Written Examination and the Texas Athletic Trainer Practical Examination and receive subsequent approval of the Board of Athletic Trainers for the state of Texas.
- For more information, refer to the Texas Department of Health Athletic Trainer Licensing website: [www.dshs.state.tx.us/at/default.shtm](http://www.dshs.state.tx.us/at/default.shtm).

### **Bachelor of Arts with a Major in Kinesiology (Pre-Physical Therapy Emphasis)**

Physical therapy is a health profession whose primary purpose is the promotion of optimal human health and function through the application of scientific principles to identify, prevent, assess, correct or alleviate acute or prolonged movement dysfunction. Employment opportunities include hospitals, rehabilitation centers, school systems, nursing homes, public health services, home health agencies, sports clinics, athletic teams, research facilities, private offices and the military.

The major in Kinesiology with a pre-professional program for Physical Therapy provides students with the appropriate academic prerequisites to apply for entrance into graduate Physical Therapy programs in the state of Texas and nationwide. Since schools vary in entrance requirements, students should become familiar with the specific requirements of each program of interest and complete the recommended support courses as electives.

### ***Kinesiology Required Courses***

KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 1320	Safety and First Aid	3 hrs
KINE 2324	Physical Activity, Recreation and Sports for Special Populations	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs
KINE 3347	Evaluation of Athletic Injuries	3 hrs
KINE 3348	Rehabilitation and Therapeutic Modalities	3 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4345	Legal and Ethical Issues in Kinesiology and Sports	3 hrs
KINE 4350	Internship in Kinesiology and Sports	<u>3 hrs</u>
		<b>36 hrs</b>

### ***Supporting Required Courses***

BIOL 1307, 1107 General Biology: Cells, Genetics

	and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2401	Anatomy and Physiology I	4 hrs
BIOL 2402	Anatomy and Physiology II	4 hrs
CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
PSYC 2301	General Psychology	3 hrs
PSYC 2317	Statistics	<u>3 hrs</u>

**38 hrs**

### TOTAL MAJOR HOURS

**74 hrs**

*Required major and supporting courses cannot be taken Pass/No Pass.*

### Recommended Support Electives

*Check the specific requirements for the Physical Therapy program(s) of interest.*

BIOL 2303, 2103	Human Anatomy, Lab	4 hrs
BIOL 2335, 2135	Human Physiology, Lab	4 hrs
BIOL 3156	Medical Terminology	1 hr
ENGW 3335	Technical and Business Writing	3 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MGMT 2301	Principles of Management	3 hrs
PSY 1653 (ACC)	Developmental Psychology	3 hrs
PSYC 4341	Abnormal Psychology	3 hrs
SOCI 1301	Principles of Sociology	3 hrs

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

### Bachelor of Arts with a Major in Kinesiology (Sport Management Emphasis with a Required Minor in Business Administration)

This degree is designed to prepare graduates for careers as administrators and managers in the field of athletics, fitness and health clubs, recreation, as well as entry-level management positions in college and professional sport organizations. Through this program, students will be prepared for a diversity of roles in the areas of sports marketing, facility management and planning, human resources, strategic planning, sport finance, and facility design.

### Kinesiology Required Courses

KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 2324	Physical Activity, Recreation and Sports for Special Populations	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3333	Management of Kinesiology and	

	Sports Programs	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs

*Choose six hours from the following three courses:*

KINE 3327	Sport Marketing	3 hrs
KINE 3332	Social and Psychological Issues of Kinesiology and Sports	3 hrs
KINE 4342	Facility Design and Facility/Event Management	<u>3 hrs</u> 6 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4345	Legal and Ethical Issues in Sport and Kinesiology	3 hrs
KINE 4350	Internship in Kinesiology and Sports	<u>3 hrs</u> <b>36 hrs</b>

### Supporting Required Courses

BIOL 1306*	Biology Principles	3 hrs
BIOL 2401*	Anatomy and Physiology I	<u>4 hrs</u> <b>7 hrs</b>

### TOTAL MAJOR HOURS

**43 hrs**

*\*Required support courses cannot be taken Pass/No Pass.*

### Required Business Administration Minor

ACCT 2301	Principles of Accounting I	3 hrs
ACCT 2303	Principles of Accounting II	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3330	Business Communications	3 hrs
ECON 2301	Microeconomics	3 hrs
ECON 2302	Macroeconomics	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 3332	Human Resources Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u> <b>27 hrs</b>

### TOTAL MAJOR AND MINOR HOURS

**70 hrs**

### Requirements for a Minor in Kinesiology

KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs
KINE 3000+	Upper-Division Electives	<u>9 hrs</u>
<b>TOTAL</b>		<b>24 hrs</b>

### Requirements for a Minor in Kinesiology



## (Coaching Emphasis)

KINE 1122	Instructional Topics: Strength Training and Cardiovascular Conditioning	1 hr
KINE 1320	Safety and First Aid	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4340	Coaching Theory and Practice	3 hrs
KINE 4345	Legal and Ethical Issues in Sport and Kinesiology	3 hrs
KINE 4350	Internship in Kinesiology and Sports	3 hrs
<b>TOTAL</b>		<b>19 hrs</b>

## Liberal Studies

The Liberal Studies major offers a traditional concentration in the liberal arts. For their primary focus, students in this major select two of the following four areas of the humanities: Art, English Literature, Philosophy and Religious Studies. A pairing of at least 21 hours of coursework from each of the two areas provides the main concentration in the liberal arts.

## Bachelor of Arts with a Major in Liberal Studies

### *Liberal Studies Requirements*

Students will complete 42 hours: 21 hours each in two of the four areas below. At least 21 of the total hours in the major must be upper-division.

### *Art Concentration*

Students who select an Art concentration will gain an appreciation of the scope and impact of artistic creation through the art history sequence and will also have the opportunity to develop that interest further through additional art history courses or to select several studio courses to develop their skills in areas of interest, or some combination of these two options.

#### *Required Courses:*

ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
ARTS 3339	Modern Art History	3 hrs

#### *Required Electives:*

Student will choose 12 additional hours of Art electives with appropriate attention to total number of upper-division hours for the major. Suggested courses include:

ARTS 1316	Drawing I
ARTS 1318	Clay I
ARTS 2332	Drawing II
ARTS 2366	Watercolor I
ARTS 3340	Issues in Contemporary Art
ARTS 3349	Topics in Art History (may be repeated with new topic)
GDES 2321	Image Methodology
PHCO 2324	History of Photography

## *English Literature Concentration*

The English Literature concentration provides an overview of diverse authors and key genres in British and American literatures, allows for a basic grounding in literary theory and offers the opportunity for the student to select two additional upper-division courses in areas of particular interest.

#### *Required Courses:*

ENGL 2322	British Literature I	3 hrs
ENGL 2323	British Literature II	3 hrs
ENGL 3301	American Literature I	3 hrs
ENGL 3302	American Literature II	3 hrs
ENGL 4341	Literary Criticism	3 hrs

#### *Required Electives:*

Student will choose six additional hours of English Literature electives with appropriate attention to total number of upper-division hours for the major. Suggested courses include:

ENGL 3335–3338	Drama Studies
ENGL 4310	Modern American Poetry
ENGL 4319	Modern and Postmodern Literature

## *Philosophy Concentration*

The Philosophy portion of the Liberal Studies program encourages a wide background in the history of philosophy as well as minimal specialization in some issue or philosophy of particular interest to the student. Upper-division courses provide an opportunity for independent research and for an exchange of philosophical arguments in the seminar format. All of the coursework aims eventually at a personal synthesis of the student's experience — an experience enriched by philosophical reflection and a synthesis made possible by familiarity with philosophy.

#### *Required Courses:*

PHIL 2303	Logic	3 hrs
PHIL 2316	History of Philosophy I	
or		
PHIL 2317	History of Philosophy II	
or		
PHIL 2318	History of Philosophy III	3 hrs
PHIL 3331	Philosophy of Religion	
or		
PHIL 3337	Theory of Knowing	3 hrs
PHIL 4341	Directed Readings	
or		
PHIL 4342	Senior Seminar	3 hrs

#### *Required Electives:*

Student will choose nine additional hours of Philosophy electives with appropriate attention to total number of upper-division hours for the major. Suggested courses include:

PHIL 3301	Legal Ethics
PHIL 3306	Theories of Human Nature
PHIL 3340	Philosophy of Science

## Religious Studies Concentration

The Religious Studies sequence provides the student with a broad background helpful in pursuing graduate studies. The competencies will include phenomenology of religion, biblical studies, historical study in world religions and Christianity, and undergraduate research and writing in either general religious thought or Christian theology.

### Required Courses:

RELS 1101	Methods in Religious Studies	1 hr
RELS 2321	Introduction to the Hebrew Bible	3 hrs
RELS 2322	Introduction to the New Testament	3 hrs
RELS 3333	History of Christian Theology I	3 hrs
RELS 3334	History of Christian Theology II	3 hrs
RELS 4341	Contemporary Theological Questions	
or		
RELS 4342	Senior Seminar	3 hrs

### Required Electives:

Student will choose six additional hours of Religious Studies electives with appropriate attention to total number of upper-division hours for the major. Suggested courses include:

RELS 1304	Introduction to Religions of the World
RELS 2323	Justice, Peace and Liberation

**TOTAL MAJOR HOURS** 42–43 hrs

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Management

In many instances, the success of a firm is related to the degree of effectiveness with which employees and management can develop and maintain an integrated production plan and process. The central challenge of management is to create the environment and framework of controls in which people will cooperate effectively. Many management specialists believe that the functions of management are the same regardless of the type of organization, although they may recognize differences related to size and scale of operations. Focuses of Management courses are on processes and organizational behavior.

**Undergraduate business courses contain a content-relevant ethics component.**

***Note:** If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Management

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
BUSI 2321	Business and Professional Speaking	3 hrs

MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u>
		<b>9 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u>
		<b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Management Required Courses

MGMT 3332	Human Resources Management	3 hrs
MGMT 3338	International Management	3 hrs
MGMT 4343	Problem Solving and Decision Making	3 hrs

### Select three of the following courses:

MGMT 3334	Organizational Behavior	3 hrs
MGMT 3399	Special Topics in Management (may be repeated as topics vary)	3 hrs

Topics offered include:  
Labor Relations  
Arts Administration  
Management Consulting  
Fundraising and Development  
Health Care Management  
Project Management

BUSI 3385	Internship	<u>3 hrs</u>
		<b>18 hrs</b>

**TOTAL MAJOR HOURS** 66 hrs

### Electives

Electives comprise any hours of coursework that satisfy the university's requirement for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Marketing

Marketing is an organizational function and a set of processes for creating, communicating and delivering value to customers and for managing customer relationships in ways that benefit the organization and its stakeholders.

In firms employing marketing as a business philosophy, marketing activities and processes necessarily interrelate with all of the major business functions in an effort to provide customers and stakeholders with consistent, mutually beneficial transactional experiences. The field of marketing encompasses roles related to product development, positioning, branding, distribution, advertising and promotion, sales and sales management, marketing research, consumer behavior, retailing and wholesaling, distribution, pricing, customer satisfaction and retention, competitive analysis, and social responsibility.

**Undergraduate business courses contain a content-relevant ethics component.**

*Note: If you intend to pursue a graduate degree in business, please consult with your advisor to discuss undergraduate preparatory courses that may be appropriate to include in your degree program.*

## Bachelor of Business Administration with a Major in Marketing

### General Education Supportive Requirements

COSC 1313	Introduction to Information Systems (or COSC 1318)	3 hrs
MATH 2312	Precalculus (or Calculus or Discrete Mathematics)	<u>3 hrs</u> <b>6 hrs</b>

### Business Core Requirements

ACCT 2301*	Principles of Accounting I	3 hrs
ACCT 2303*	Principles of Accounting II	3 hrs
BUSI 2305*	Business Statistics	3 hrs
BUSI 2328	Global Business Responsibility and Ethics	3 hrs
BUSI 3303	Legal Environment of Business	3 hrs
BUSI 3330	Business Communication	3 hrs
BUSI 4349	Strategic Management	3 hrs
ECON 2301*	Microeconomic Principles	3 hrs
ECON 2302	Macroeconomic Principles	3 hrs
FINC 3330	Introduction to Finance	3 hrs
MGMT 2301	Principles of Management	3 hrs
MGMT 3340	Operations Management	3 hrs
MKTG 2301	Principles of Marketing	<u>3 hrs</u> <b>39 hrs</b>

*Students pursuing an MSB major or minor must earn a grade of C or higher for each starred (\*) course.*

### Marketing Required Courses

MKTG 3336	Consumer Behavior	3 hrs
MKTG 3343	Marketing Research	3 hrs
MKTG 4345	Advanced Marketing Management	3 hrs

*Select three of the following (at least two with a MKTG prefix):*

BUSI 3385	Internship	3 hrs
MKTG 3331	Marketing Promotions	3 hrs
MKTG 3332	Sales and Sales Management	3 hrs
MKTG 3333	Principles of Retailing	3 hrs
MKTG 3334	Branding	3 hrs

MKTG 3381	Entrepreneurial Marketing	3 hrs
MKTG 3399	Special Topics in Marketing (may be repeated as topics vary)	3 hrs
MKTG 4341	International Marketing	<u>3 hrs</u> <b>18 hrs</b>

### TOTAL MAJOR HOURS

**63 hrs**

### Electives

Electives comprise any hours of coursework that satisfy the university's requirements for college-level course credit.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete electives to have a total of at least 120 hours for graduation.*

## Mathematics

Mathematics is a discipline that requires exact yet creative thinking, sober yet speculative investigation. The mathematics program at St. Edward's reflects the dialogue between the "pure" and "applied" sciences. The result is a mathematics program that allows latitude while providing a solid foundation for graduate work and useful techniques that incorporate computer technology for employment in business, industry or education.

### Bachelor of Arts in Mathematics

Refer to the General Requirements for a Major on page 32.

### Mathematics Required Courses

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2321	Calculus III	3 hrs
MATH 3318	Inquiry and Proof	3 hrs
MATH 3305	Linear Algebra	3 hrs
MATH 3310	Differential Equations	3 hrs
MATH 4342	Abstract Algebra	3 hrs
MATH 4157	Research (four times)	4 hrs

*Choose two of the following three courses:*

MATH 3316	Advanced Calculus	3 hrs
MATH 3317	Elementary Real Analysis	3 hrs
MATH 4331	Introduction to Complex Analysis	<u>3 hrs</u> <b>32 hrs</b>

### Mathematics Electives

*Choose three of the following courses:*

MATH 2315	Discrete Mathematics*	3 hrs
* may be counted toward the major only if taken prior to, or concurrent with, MATH 3318		
MATH 3320	Applied Statistics	3 hrs
MATH 3334	Probability and Theory of Statistics	3 hrs
MATH 3345	Special Topics in Mathematics	3 hrs
MATH 4343	Topology	3 hrs
MATH 4344	Advanced Topics	3 hrs
MATH 3316, 3317, or 4331 if not selected above		3 hrs

MATH 3000+	Upper-Division courses excluding 4150 and 4157	3 hrs <b>9 hrs</b>
------------	---	-----------------------

### ***Supporting Required Courses***

COSC 1323, 1123 Computing Sciences Concepts, Lab	4 hrs
PHYS 2325, 2125 University Physics I, Lab	4 hrs
PHYS 2326, 2126 University Physics II, Lab	4 hrs
SCIE 4345 History & Philosophy of Science	3 hrs
	<b>15 hrs</b>
<b>TOTAL MAJOR HOURS</b>	<b>56 hrs</b>

## **Bachelor of Science in Mathematics**

Refer to the General Requirements for a Major on page 32.

In addition to the courses required for the BA in Mathematics, students must take:

### ***Mathematics Electives Required Courses***

MATH 3000+	Upper-Division courses	3 hrs
------------	------------------------	-------

### ***Supporting Required Courses***

*Choose two of the following courses, with their corresponding labs (8 hrs total):*

CHEM 1340, 1140 General Chemistry, Lab	4 hrs
CHEM 2320, 2120 Analytical Chemistry, Lab	4 hrs
BIOL 1307, 1107 General Biology: Cells and Organ Systems, Lab	4 hrs
BIOL 1308, 1108 General Biology: Organisms and Populations, Lab	4 hrs
BINF 3000+, with corresponding lab	4 hrs
	<b>8 hrs</b>

<b>TOTAL MAJOR HOURS (BS)</b>	<b>67 hrs</b>
-------------------------------	---------------

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Mathematics**

Refer to the General Requirements for a Minor on page 33.

Each student must satisfactorily complete the following Mathematics courses:

MATH 2313, 2113 Calculus I, Lab	4 hrs
MATH 2314 Calculus II	3 hrs
MATH 2321 Calculus III	3 hrs
MATH 3305 Linear Algebra	3 hrs
MATH 3310 Differential Equations	3 hrs

*Six hours electives, choose from:*

MATH 2315*	Discrete Mathematics	3 hrs
MATH 3318	Inquiry and Proof	3 hrs

MATH 3000+	Upper-Division courses (excluding 4150 and 4157)	3 hrs <b>6 hrs</b>
<b>TOTAL</b>		<b>22 hrs</b>

*\*May be counted toward the minor only if taken prior to, or concurrent with, MATH 3318.*

## **Medical Laboratory Science**

The Medical Laboratory Science degree prepares students to be health care detectives investigating the cause of infectious disease, cancer or other health status of the patient. This degree involves a minimum of six semesters of coursework at St. Edward's University and, upon acceptance, one year of clinical training at an affiliated MLS program (currently Austin State Hospital). The coursework spans such disciplines as microbiology, hematology, immunology, clinical chemistry and molecular biology. MLS graduates can be employed in hospital laboratories or clinical research labs, and will have the prerequisites necessary to pursue further education in biological sciences.

## **Bachelor of Science with a Major in Medical Laboratory Science**

### ***Biology Required Courses***

BIOL 1307, 1107	General Biology: Cells Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2401	Anatomy and Physiology I	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs
BIOL 3332	Immunology	3 hrs
BIOL 2000+	3-4 hour electives	3-4 hrs
		<b>25-26 hrs</b>

### ***Supporting Required Courses***

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs
MATH 2313, 2113	Calculus, Lab	4 hrs
MATH 3320	Applied Statistics	3 hrs
SCIE 4345	History and Philosophy of Science	3 hrs
		<b>26 hrs</b>

### ***Austin State Hospital Required Courses***

Microbiology	
Hematology	
Clinical Chemistry	
Coagulation	
Phlebotomy	
Blood Bank/Immunology/Serology	
Urinalysis	
<b>TOTAL MAJOR HOURS</b>	<b>30 hrs</b>
	<b>81-82 hours</b>



*In addition to the requirements above, students must satisfy the general education requirements (see page 37) and complete unrestricted electives to total at least 120 hours for graduation. Fifteen hours of the general education requirements are satisfied by completion of the requirements for the Bachelor of Science in Medical Laboratory Science.*

## Music

### Requirements for a Minor in Music

#### Required Courses

MUSI 1300	Fundamentals of Music Theory	3 hrs
MUSI 1308	Survey of Music Literature in Western Culture	3 hrs
MUSI 3337	Music Theory and Counterpoint	<u>3 hrs</u>
		<b>9 hrs</b>

#### Required Electives

**Select 13 hours total from the following groups (at least six hours must be 3000-level and above).**

*Select three hours from the following (courses may be repeated for credit):*

MUSI 1141	St. Edward's University Chorale	1 hr
MUSI 1151	St. Edward's University Orchestra	1 hr
MUSI 1161	Chamber Music Ensemble	1 hr
MUSI 2125	St. Edward's Mariachi Alas de Oro	1 hr
MUSI 2140	Omni Singers	1 hr
MUSI 2162	Jazz Lab Band	1 hr
MUSI 3142	Madrigal Chamber Choir	1 hr
MUSI 3163	Jazz Band "Steady"	1 hr
MUSI 3175	Guitar Ensemble	1 hr
MUSI 4144	Vocal Jazz Ensemble	1 hr

*Select at least two hours from the following:*

MUSI 1281	Piano Class I	2 hrs
MUSI 1282	Piano Class II	2 hrs
MUSI 2180	Applied Piano	1 hr
MUSI 2284	Piano Class III	2 hrs
MUSI 4285	Applied Piano	2 hrs

*Select at least two hours from the following:*

MUSI 1271	Fundamentals of Guitar	2 hrs
MUSI 1283	Fundamentals of Singing	2 hrs
MUSI 2223	Vocal Performance/Technique	2 hrs
MUSI 2143	Applied Voice	1 hr
MUSI 2153	Applied Instrument	1 hr
MUSI 2170	Applied Guitar	1 hr
MUSI 2272	Guitar Techniques	2 hrs
MUSI 2180	Applied Piano	1 hr
MUSI 4224	Musical Theater and Opera Workshop	2 hrs
MUSI 4243	Applied Voice	2 hrs
MUSI 4254	Applied Instrument	2 hrs
MUSI 4273	Applied Guitar	2 hrs

*Remaining hours may be selected from this list, if needed:*

MUSI 3330	Music for the Classroom Teacher	3 hrs
MUSI 3236	Survey of Musical Theater	2 hrs
MUSI 4350	Internship in Music	3 hrs

MUSI 4199	Special Topics in Music	1 hr
MUSI 4299	Special Topics in Music	2 hrs
MUSI 4399	Special Topics in Music	<u>3 hrs</u>
	<b>TOTAL</b>	<b>22 hrs</b>

Nine hours of upper-division credit are required.

### Requirements for a Minor in Musical Theater

#### Required Courses

MUSI 1100	Basic Musicianship	1 hr
MUSI 3236 *	Survey of Musical Theatre	2 hrs
THAR 3136	Topics: Musical Theatre Showcase	1 hr
THAR 3236 **	Musical Theatre Performance	2 hrs
MUSI 4243	Applied Voice	2 hrs
MUSI 4285	Applied Piano	<u>2 hrs</u>
		<b>10 hrs</b>

*\* Prerequisite of THAR 3236 or Instructor Permission*

*\*\*The prerequisites for THAR 3236 include: THAR 1351, Performance 1A, and THAR 1352, Performance 1B.*

#### Required Electives

**Select eight hours total from the following groups; at least eight hours of minor coursework must be upper division.**

*Music Electives: Select at least six hours from the following:*

MUSI 1281	Piano Class I	2 hrs
MUSI 1282	Piano Class II	2 hrs
MUSI 2284	Piano Class III	2 hrs
MUSI 2143	Applied Voice	1 hr
MUSI 1141	St. Edward's University Chorale	1 hr
MUSI 2125	St. Edward's Mariachi Alas de Oro	1 hr
MUSI 2140	Omni Singers	1 hr
MUSI 3142	Madrigal Chamber Choir	1 hr
MUSI 4243	Applied Voice	2 hrs
MUSI 4285	Applied Piano	2 hrs
MUSI 4199	Omni Vocal Jazz	<u>1 hrs</u>
		<b>6 hrs</b>

*Dance Electives: Select at least two hours from the following Dance courses based on level appropriate to student. These two hours should be in two different dance disciplines.*

DANC 1141	Ballet	1 hr
DANC 1142	Ballet	1 hr
DANC 1110	Tap	1 hr
DANC 2110	Tap	1 hr
THAR 3136	Topics: Musical Theatre Dance	<u>1 hrs</u>
		<b>2 hrs</b>

*Remaining hours may be selected from any MUSI or THAR course to complete the total 18 hours for the minor.*

**TOTAL 18 hrs**

## Philosophy

The Philosophy program offers a broad background in the history of philosophy and in the traditional areas of philosophical inquiry (logic, ethics, epistemology,

political theory and religion). Emphasis is placed on an informed and critical reading of classic texts in philosophy and on thoughtful consideration of their applicability to contemporary problems and choices. Upper-division courses allow for some specialization and independent research in the works of major philosophers.

## Bachelor of Arts with a Major in Philosophy

### *Philosophy Required Courses*

PHIL 2303	Logic	3 hrs
PHIL 2316	History of Philosophy I	3 hrs
PHIL 2317	History of Philosophy II	3 hrs
PHIL 2318	History of Philosophy III	3 hrs
PHIL 2329	Ethical Analysis	3 hrs
PHIL 3331	Philosophy of Religion	3 hrs
PHIL 3337	Theory of Knowing	3 hrs
PHIL 3340	Philosophy of Science	3 hrs
PHIL 4341	Directed Readings	3 hrs
PHIL 4342	Senior Seminar	3 hrs
PHIL Electives	(Six hours must be Upper-Division)	<u>9 hrs</u>

**39 hrs**

### *Supporting Required Courses*

RELS 3333	History of Christian Theology I	
or		
RELS 3334	History of Christian Theology II	<u>3 hrs</u>

**3 hrs**

### **TOTAL MAJOR HOURS**

**42 hrs**

### *Recommended Support Courses*

ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
BIOL 1306	Biology Principles	3 hrs
ENGL 4341	Literary Criticism	3 hrs
GERM 1311	German I	3 hrs
GERM 1312	German II	3 hrs
MATH 3320	Applied Statistics	3 hrs
POLS 4347	Political Theory	3 hrs
RELS 1304	Introduction to Religions of the World	3 hrs

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Philosophy

### *Required Courses*

#### *Philosophy Core Curriculum*

PHIL 2303	Logic	3 hrs
PHIL 2316	History of Philosophy I	
or		
PHIL 2317	History of Philosophy II	
or		
PHIL 2318	History of Philosophy III	3 hrs
PHIL 2329	Ethical Analysis	3 hrs

PHIL 3331	Philosophy of Religion	
or		
PHIL 3337	Theory of Knowing	3 hrs
PHIL 4341	Directed Readings	
or		
PHIL 4342	Senior Seminar	3 hrs
PHIL 3301+	PHIL Elective	<u>3 hrs</u>
	<b>TOTAL</b>	<b>18 hrs</b>

## Photocommunications

Founded in 1980, the Photocommunications major offers students the opportunity to learn the history and application of photography and related media alongside teachers and students who share a passion for image making, all within a liberal arts environment. The faculty is dedicated to helping students learn the conceptual and technical skills they need to succeed in this diverse and rapidly changing field.

Students become knowledgeable about the diverse field of visual communication through a carefully planned sequence of courses that ensure basic levels of competency in a variety of areas, including still black & white and color photography, video, digital imaging, studio applications and the history of photography. Elective courses are offered in advanced digital imaging, multimedia and digital darkroom. Recent special topics have included Editorial Photography, Advanced Black & White Techniques, Alternative Processes, and Photographic Book Design. Students are aided in the school-to-work transition by the required Senior Seminar sequence and Internship courses.

Courses not only teach professional skills but also examine the pervasive role of photography, video and computer-generated images in contemporary society. Because the central theme of the Photocommunications major is to encourage awareness of the multitude of visual images and the diverse messages they encode, the courses can support any other academic program. Students majoring in other fields are welcome to minor in Photocommunications or in Multimedia, which includes many Photocommunications courses. In addition, several courses may be taken as electives by nonmajors. Photocommunications majors are also encouraged to minor in related fields of interest.

Transfer or New College students are required to submit portfolios for review by Photocommunications faculty before registering for courses for which transfer credit for prerequisites has been given. See course descriptions.

Students will be expected to provide their own storage device to save work generated in some Photocommunications classes.

## Bachelor of Arts with a Major in Photocommunications

### ***Photocommunications Required Courses***

VISU 1100	First Year Seminar in Visual Studies	1 hr
VISU 1311	Visual Studies I	3 hrs
PHCO 1318	Photography I	3 hrs
PHCO 1319	Photography II	3 hrs
PHCO 2325	Intermediate Digital Imaging	3 hrs
PHCO 3324	History of Photography	3 hrs
PHCO 3329	Digital Color	3 hrs
PHCO 3331	Video Production	3 hrs
PHCO 3334	Large Camera	3 hrs
PHCO 3335	Studio	3 hrs
PHCO 3345	Digital Darkroom	3 hrs
PHCO 4343	Senior Seminar I	3 hrs
PHCO 4344	Senior Seminar II	3 hrs
PHCO 4350	Internship	<u>3 hrs</u>

**40 hrs**

### ***Electives in the Major***

*(Choose 12 hours from the following courses; PHCO 3322 and PHCO 4399 may be repeated for credit as topics vary.)*

PHCO 2323	Photography in the Humanities	3 hrs
PHCO 3322	Styles and Themes	3 hrs
PHCO 3340	Digital Projects	3 hrs
PHCO 4399	Senior Topics	<u>3 hrs</u>

**12 hrs**

### **TOTAL MAJOR HOURS**

**52 hrs**

### ***Suggested Electives Outside the Major***

Art History courses; courses in Marketing, Management and/or Business; and courses in Arts Management and Writing are suggested as electives outside the major. Consult with advisor for other suggestions.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Photocommunications**

### ***Required Courses***

VISU 1311	Visual Studies I	3 hrs
PHCO 1318	Photography I	3 hrs
PHCO 1319	Photography II	3 hrs
PHCO 2325	Intermediate Digital Imaging	3 hrs
PHCO 3324	History of Photography	<u>3 hrs</u>

**15 hrs**

### ***Electives* Select three courses from the following:**

PHCO 3322	Styles and Themes	3 hrs
PHCO 3329	Digital Color	3 hrs
PHCO 3331	Video Production	3 hrs
PHCO 3334	Large Camera	3 hrs
PHCO 3335	Studio	3 hrs
PHCO 3340	Digital Projects	3 hrs
PHCO 3345	Digital Darkroom	3 hrs

PHCO 4350	Internship	3 hrs
PHCO 4399	Senior Topics	<u>3 hrs</u>
		<b>9 hrs</b>
<b>TOTAL</b>		<b>24 hrs</b>

## **Political Science**

Political Science offers students an array of topics that engage their intellectual curiosity, and provides them with the necessary foundation for better understanding and contributing to their communities. The dynamic and controversial nature of politics guarantees that students will engage in lively discussions and substantive research that has relevance to their everyday lives. Political science faculty have expertise in many areas, so students are exposed to diverse ideas, and have the flexibility to pursue the areas that they are passionate about. The university's Austin location provides a unique opportunity to study and participate in the political process while it is actually happening. While immersed in the major, students develop skills that prepare them for law school and graduate school, as well as for careers in government and the private sector. Whether they decide to remain in Austin or become citizens of the world, students with a political science degree will have the confidence to succeed.

## **Bachelor of Arts with a Major in Political Science**

### ***Political Science Required Courses***

POLS 1305	American National Government	3 hrs
POLS 2332	International Relations	3 hrs
POLS 2341	Comparative Politics	3 hrs
POLS 3328	Political Research and Statistics	3 hrs
POLS 3334	Public Policy	3 hrs
POLS 4347	Political Theory	3 hrs
POLS 4350	Internship	<u>3 hrs</u>

**21 hrs**

***In addition to the preceding, students choose two of the following tracks, selecting nine hours in each track:***

### ***American Politics:***

POLS 4323	The American Voter	3 hrs
POLS 4324	The U.S. Congress	3 hrs
POLS 4326	American Political Parties	3 hrs
POLS 4344	The President	3 hrs
POLS 4348	American Political Thinking	3 hrs
POLS 4349	Topics in American Politics	<u>3 hrs</u>

**9 hrs**

### ***Applied Politics:***

POLS 1306	State and Local Government	3 hrs
POLS 2320	Political Management: Campaigns and Crises	3 hrs
POLS 4342	The Legislative Process and Lobbying	3 hrs

POLS 4343	Politics and the Media	3 hrs
POLS 4345	Political Leadership	3 hrs
POLS 4349	Topics in Applied Politics	<u>3 hrs</u>
		<b>9 hrs</b>

### ***International Politics:***

POLS 3320	Politics and Governments of Latin America	3 hrs
POLS 3321	Politics and Governments of Asia	3 hrs
POLS 3333	Politics and Governments of Europe and the European Union	3 hrs
POLS 3335	American Foreign Relations	3 hrs
POLS 4349	Topics in International Politics	3 hrs
POLS 4351	Strategic Intelligence and Covert Action	3 hrs
GLST 3335	International Political Economy	3 hrs
GLST 3337	International Organizations	<u>3 hrs</u>
		<b>9 hrs</b>

### ***Pre-Law:***

CRIJ 1310	Criminal Law I	
or		
BUSI 3303	Legal Environment of Business	3 hrs
CRIJ 2306	American Court System	3 hrs
ENGW 3304	Legal Writing	3 hrs
POLS 4349	Topics in Pre-Law	<u>3 hrs</u>
		<b>9 hrs</b>

### ***Choose two Political Science electives***

		<b><u>6 hrs</u></b>
<b>TOTAL MAJOR HOURS</b>		<b>45 hrs</b>

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## **Requirements for a Minor in Political Science**

### ***Required Courses***

POLS 1305	American National Government	3 hrs
POLS 2332	International Relations	3 hrs
POLS 2341	Comparative Politics	<u>3 hrs</u>
		<b>9 hrs</b>

### ***Electives***

*Choose any three upper-division courses in Political Science:*

POLS	Three courses 3000 and above	<b>9 hrs</b>
<b>TOTAL</b>		<b>18 hrs</b>

## **Pre-Engineering Curriculum**

Students who plan to receive a degree in Engineering but who prefer the benefits of a small-university environment for the first part of their college studies may choose to attend St. Edward's for one or two years. The following courses are suggested for pre-engineering students who attend the university during their freshman and sophomore years:

CHEM 1340, 1140, 2320, 2120
COSC 1323/1123, 2325/2125, 3311
ENGW 1301, 1302
HIST 1301, 1302

MATH 2313/2113, 2314, 2321, 3305, 3310
PHYS 2325, 2326, 2125, 2126 <b>or</b>
PHYS 2320, 2321, 2125, 2126
POLS 1305, 1306

## **Pre-Law**

Unlike the medical and dental professions, which have established specific pre-professional curricula, the legal profession does not recommend a set of pre-law courses. Because a lawyer's work involves most aspects of our complex, multicultural society, a broad and rigorous liberal arts curriculum is the preferred preparation for law school. Although no single curricular path is the ideal preparation for legal study, the student should choose courses that cultivate the ability to think critically, reason logically, and speak and write effectively. The two major factors considered in admission to law school are the student's academic record and the Law School Admission Test (LSAT) score. Appropriate courses can be found throughout the programs offered at the university. Students interested in pre-law should discuss their academic plan with their faculty advisor, an advisor in Career and Professional Development or the campus pre-law advisor.

## **Pre-Medical/Pre-Dental Curriculum**

Students planning to attend medical or dental school after graduation should:

Complete the degree requirements for a bachelor's degree in Biology or Biochemistry

*or*

Complete the degree requirements for a bachelor's degree in another major and, in addition, complete the prerequisite courses of the professional schools to which they intend to apply.

**Note:** *It is strongly recommended to take upper-level science classes in addition to basic prerequisites, as professional schools often factor academic performance in such rigorous science courses into their admission decisions.*

Prerequisite courses for most Texas schools may be viewed at the website of the Texas Medical and Dental Schools Application Service (TMDSAS). Prerequisite coursework must be applicable toward a Science degree, and courses for non-Science majors are not accepted. A minimum grade of C is required in all prerequisites.

Prerequisites typically include, but are not be limited to:

**BIOLOGY:** Fourteen hours (12 hours of lecture and two hours of formal lab) are required.

**CHEMISTRY:** Eight hours of general/analytical chemistry including the corresponding laboratory experience are required (six hours of lecture and two hours of lab). Eight hours organic chemistry including the corresponding laboratory experience are required.



**BIOCHEMISTRY:** Required by only three Texas schools. However, it is strongly recommended by all other TMDSAS schools. Three hours.

**CALCULUS/STATISTICS:** Three hours of college calculus or statistics are required. Business calculus and precalculus courses are not accepted.

The calculus/statistics requirement is not required for Texas dental schools.

**ENGLISH:** Six hours of college English are required. Any course accredited by the English department that fulfills a general education English requirement of a baccalaureate degree will be accepted. Remedial or developmental courses or English as a Second Language courses are not accepted.

**PHYSICS:** Eight hours including the corresponding laboratory experience are required (six hours of lecture and two hours of lab).

**The St. Edward’s Health Professions Advisory Committee (HPAC)**

This committee mentors and advises pre-health students on several levels. Informational meetings both fall and spring provide guidance for strategically becoming a competitive applicant, as well as guidance for the application and interview process. Students may acquire a letter of evaluation from HPAC to accompany their application. The application to HPAC for evaluation is due in October, and the applicant completes interviews with all HPAC members in the fall.

To qualify for an HPAC letter of evaluation, a student must have a minimum GPA of 3.6 (medical school, dental school, physician’s assistant, veterinary applicants) or 3.5 (optometry and pharmacy applicants) and must have been enrolled at St. Edward’s for at least two full semesters prior to applying for evaluation by HPAC.

**Pre-Physical Therapy**

(See *Kinesiology, Pre-Physical Therapy Emphasis*, on page 77.)

**Professional Ethics**

The minor in Professional Ethics provides students with insights into ethical reasoning and critical analysis that will help clarify and direct their own moral questioning and decision making. Besides a required foundational course, students are to select at least four courses from a range of offerings in Professional Ethics. These classes in applied ethics focus on the moral issues confronting contemporary professionals. An experiential learning component of the minor connects classroom instruction with the actual practice of moral decision making in an organization. In sum, the minor assists students in deepening their understanding of personal and professional responsibilities and their own capacity to clarify and to evaluate alternatives for meeting

those responsibilities.

The minor requires completion of a three-hour experiential learning project approved by the Religious Studies/Philosophy program. The project should involve active participation in organizational activities and written reports. The program of Religious Studies/Philosophy will be responsible for approving the design and for evaluating the project.

**Requirements for a Minor in Professional Ethics**

*Required Courses*

PHIL 2329	Ethical Analysis	3 hrs
PHIL 4350	Internship in Philosophy	<u>3 hrs</u>
		<b>6 hrs</b>

*Electives*

*Choose four of these Professional Ethics courses:*

PHIL 3301	Legal Ethics	3 hrs
PHIL 3302	Ethics and Public Policy	3 hrs
PHIL 3303	Ethics and Technology	3 hrs
PHIL 3310	Special Topics in Philosophy (when topic is relevant to applied ethics)	3 hrs
PHIL 3311	Medical Ethics	3 hrs
PHIL 3312	Environmental Ethics	3 hrs
PHIL 3313	Business Ethics	<u>3 hrs</u>
		<b>12 hrs</b>

<b>TOTAL</b>	<b>18 hrs</b>
--------------	---------------

**Psychology**

Psychology at St. Edward’s University is taught as an experimental science, with a focus on human beings functioning both alone and as members of society. The aims of the program include encouraging students to develop into articulate, competent, responsible persons with a breadth of interests and a scientific understanding of the causes of human behavior. To achieve these goals, students engage in a strong academic preparation along with practical experience. A unique aspect of the program is the opportunity to apply theoretical material in real-world situations throughout the college career. Emphasis on a sturdy academic foundation, flexibility according to current insights and discoveries, and independent research by the students, help to stimulate development of the potential to meet the challenges of life and the realities of contemporary society. Graduates are knowledgeable of psychological facts and theories and are able to apply them in both academic and practical settings. They are prepared to study in graduate programs and to enter the world of employment. Graduates have pursued further study in psychology, medicine, business, social work, special education and vocational rehabilitation, and have also entered careers in education, child care, sales, criminal justice, personnel, therapeutic settings, research,

social services, and recreational leadership. The success, adjustment and satisfaction of any Psychology graduate depend in large measure on the individual's interest and personal involvement in the academic program.

**Bachelor of Arts with a Major in Psychology**

The Psychology major provides students with a solid foundation in the discipline by requiring several basic courses. These courses are designed to give students competency in methodological issues, applied issues and core components in Psychology. Students also pursue different career emphases by choosing nine hours of electives in Psychology to prepare for graduate school or human-services employment.

***Psychology Required Courses***

PSYC 2301	General Psychology	3 hrs
PSYC 2307	Adolescent Psychology	
or		
PSYC 2308	Child Development	3 hrs
PSYC 2316	Theories of Personality	3 hrs
PSYC 2317	Statistics	3 hrs
PSYC 3319	Social Psychology	3 hrs
PSYC 3438	Research Methods with Lab	4 hrs
PSYC 4341	Abnormal Psychology	3 hrs
PSYC 4442	Behavioral Neuroscience with Lab	4 hrs
or		
PSYC 4343	Learning and Cognition	3 hrs
PSYC 4359	Research and Field Experience in Psychology	3 hrs
PSYC 4360	History and Systems of Psychology	3 hrs
		<b>31–32 hrs</b>

***Career Emphasis*** **9 hrs**

Choose nine hours of electives in Psychology to prepare for future interests in the field; three hours must be upper-division.

**TOTAL MAJOR HOURS** **40–41 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

**Requirements for a Minor in Psychology**

PSYC 2301	General Psychology	3 hrs
PSYC 2307	Adolescent Psychology	
or		
PSYC 2308	Child Development	3 hrs
PSYC 3319	Social Psychology	3 hrs
PSYC Electives	(at least six hrs Upper-Division)	9 hrs
<b>TOTAL</b>		<b>18 hrs</b>

**Religious and Theological Studies**

The Religious and Theological Studies program is designed to offer students a comprehensive approach to the study of religion and theological inquiry. The courses

assist students in developing faculties for critical thinking and in attaining a historical view of religion. In addition to core courses that provide a solid foundation in the discipline, the student completes the major or minor by selecting from the curriculum courses that allow pursuit of particular interests in Religious Studies or Theology. For example, students may focus on world religions, systematic theology, biblical studies or another area within the discipline. As they select their courses, students design for themselves a program that matches their interests and meets their needs. The Religious and Theological Studies program prepares students for graduate school, seminary, pastoral ministry and other professional opportunities.

**Bachelor of Arts with a Major in Religious and Theological Studies**

***Religious and Theological Studies Required Courses***

RELS 1101	Methods in Religious Studies	1 hr
RELS 1304	Introduction to Religions of the World	3 hrs
RELS 1315	Basic Christian Questions	
or		
RELS 1316	Introduction to Catholicism	3 hrs
RELS 1318	Introduction to Christian Morality	3 hrs
RELS 2321	Introduction to the Hebrew Bible	3 hrs
RELS 2322	Introduction to the New Testament	3 hrs
RELS 3333	History of Christian Theology I	3 hrs
RELS 3334	History of Christian Theology II	3 hrs
RELS 4342	Senior Seminar	3 hrs
		<b>25 hrs</b>

***Electives***

RELS 2000-level courses, 2300 and above (two)	6 hrs
RELS 3000/4000-level courses, 3300 and above (four)	12 hrs
<b>18 hrs</b>	

**TOTAL MAJOR HOURS** **43 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

**Requirements for a Minor in Religious and Theological Studies**

***Required Courses***

RELS 1101	Methods in Religious Studies	1 hr
RELS 1304	Introduction to Religions of the World	
or		
RELS 1315	Basic Christian Questions	
or		
RELS 1316	Introduction to Catholicism	3 hrs
RELS 2321	Introduction to the Hebrew Bible	
or		
RELS 2322	Introduction to the New Testament	3 hrs
RELS 3333	History of Christian Theology I	
or		
RELS 3334	History of Christian Theology II	3 hrs

RELS 2000-level course, 2300 and above	3 hrs
RELS 3000/4000-level courses, 3300 and above (two)	<u>6 hrs</u>
<b>TOTAL</b>	<b>19 hrs</b>

*Students are strongly encouraged to augment their Religious and Theological Studies courses with courses in Education, History, Literature, Philosophy and Languages.*

## Social Welfare

Offered through the Social Work Program, the Minor in Social Welfare provides students a foundation in social welfare, focusing on social justice, human behavior and development, diversity and cultural competence. Students will learn about the history of the U.S. social welfare system, the theories of behavior used to support various social programs, and how issues of race, social class and gender intersect in the social welfare system.

### Requirements for a Minor in Social Welfare

#### Required Courses

SOCW 2318	Historic Response to Need	3 hrs
SOCW 3328	Policy Practice in the United States	3 hrs
SOCW 3331	Human Behavior and the Social Environment I	3 hrs
SOCW 4343	Race, Class and Gender	3 hrs

#### Electives

*Select two courses from the following*

SOCW 3327	Marriage and Family	
SOCW 3341	Human Behavior and the Social Environment II	
SOCW 4349	Special Topics (change every semester, but offerings include Child Abuse and Neglect, Domestic Violence)	
SOCW 3334	Introduction to Disability Studies	<u>6 hrs</u>
<b>TOTAL</b>		<b>18 hrs</b>

## Social Work

The baccalaureate Social Work program is accredited by the Council on Social Work Education (CSWE). The program's principal educational goal is to prepare students for beginning generalist social work practice. Graduates are qualified to take the examination to become a Licensed Social Worker (LSW) in the state of Texas. A secondary goal is to prepare students for graduate Social Work education. Because of CSWE accreditation, graduates of the St. Edward's Social Work program may receive up to a year of advanced standing in many social work graduate programs, making it possible to earn the Master of Social Work (MSW) degree in one calendar year, instead of the traditional two years.

Undergraduate education for Social Work includes a broad liberal arts base, an educational emphasis in the social and behavioral sciences, a professional curriculum to prepare students for competent generalist practice, and

more than 400 hours of hands-on internship under the educational guidance of experienced social workers in community agencies. Students who complete the Social Work major have acquired the knowledge, skills and values essential for entry-level employment in social work positions.

Students wanting to major in Social Work must apply for admission to the Social Work program by February 1 or October 1 of their sophomore year. Positive evaluations of volunteer work and/or references regarding ability to work with people will be required. Transfer students who receive credit for SOCW 1301 should apply to the Social Work program as soon as they are admitted to the university. Applications may be obtained from the director of the Social Work program and on the School of Behavioral and Social Sciences website. An interview with a Social Work faculty member will be required. Basic admission criteria are the intellectual, physical, emotional and moral capacity for professional development as a competent social work practitioner. Students must complete the admissions application and interview with faculty prior to admission to SOCW 3331 (Human Behavior and the Social Environment I) in the junior year. Students who transfer in with an Associate Degree must apply over the summer before enrolling in St. Edward's. Life or career credit is not awarded for courses required in the major. A 2.25 GPA is also required.

To continue in the Social Work major, each student must demonstrate the interpersonal relationship skills, sense of responsibility and self-awareness necessary to attain the competent practice of social work, as well as personal values compatible with the values of social work as defined in CSWE's Educational Policy Statement. The Social Work faculty will evaluate these qualities through class assignments, experiential learning assignments, and evaluations of the student's ability to interact positively and constructively with faculty, classmates, agency staff and clients. A student may be advised to consider another major if his or her functioning fails to demonstrate adequate development in these essential areas.

To enter the senior field practicum, a student must have at least a 2.25 GPA in core Social Work courses and meet all prerequisites. All students seeking to enter the senior field practicum must purchase malpractice insurance from a private carrier. The field director will provide students with low-cost options for such insurance, but students are responsible for purchasing a policy and providing documentation to the field director. This is consistent with policies of other social work programs around the country. To remain in the field practicum, a student must adhere to the National Association of Social Workers (NASW) Code of Ethics and satisfactorily complete all agency and university assignments. Removal from field practicum may constitute

grounds for dismissal from the Social Work program.

To complete the Social Work major, a student must achieve a C or better in Social Work practice and field courses SOCW 3347, SOCW 3348, SOCW 4344, SOCW 4650 and SOCW 4651. Further delineation of admission and dismissal criteria, appeal procedures, and the complete text of the NASW Code of Ethics and CSWE's core competencies may be found in the *Social Work Program Student Handbook*.

## Bachelor of Arts with a Major in Social Work

### *Social Work Required Courses*

SOCI 2329	Social Statistics	3 hrs
SOCW 1301	Introduction to Social Work	3 hrs
SOCW 2318	Social Welfare: Historic Response to Need	3 hrs
SOCW 3328	Social Policy: Policy Practice in the United States	3 hrs
SOCW 3327	Marriage and Family	3 hrs
SOCW 3330	Social Research	3 hrs
SOCW 3331	Human Behavior and the Social Environment I	3 hrs
SOCW 3341	Human Behavior and the Social Environment II	3 hrs
SOCW 3347	Generalist Practice with Individuals and Families	3 hrs
SOCW 3348	Generalist Practice with Groups	3 hrs
SOCW 4343	Race, Class and Gender	3 hrs
SOCW 4344	Generalist Practice II: Macro Systems	3 hrs
SOCW 4650	Field Practicum and Seminar I	6 hrs
SOCW 4651	Field Practicum and Seminar II	<u>6 hrs</u>
		<b>48 hrs</b>

### *Supporting Required Courses*

BIOL 1305	Contemporary Biology	3 hrs
PSYC 2301	General Psychology	3 hrs
PSYC 4341	Abnormal Psychology	3 hrs
RELS 1304	Introduction to Religions of the World (or equivalent)	3 hrs
SOCI 1301	Self and Society	<u>3 hrs</u>
		<b>15 hrs</b>

**TOTAL MAJOR HOURS 63 hrs**

Due to differences in general education requirements, Social Problems (A-SOCI 3324) and Minorities in U.S. Society (A-SOCI 3342) (or their equivalent) are additional support courses for Social Work majors in New College.

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Sociology

The Sociology major develops an ability to interpret social phenomena with perceptiveness and to appreciate the diversity and complexity of society. Students develop

analytical skills, broaden their understanding of the social world and discover the diverse methods of analyzing social experience. The major affords opportunities to develop a sense of awareness of and responsibility for the welfare of the community.

## Bachelor of Arts with a Major in Sociology

### *Sociology Required Courses*

SOCI 1301	Self and Society	3 hrs
SOCI 2318	Social Welfare: Historic Response to Need	3 hrs
SOCI 2329	Social Statistics	3 hrs
SOCI 2345	Social Theory	3 hrs
SOCI 2349	Topics in Sociology	3 hrs
SOCI 3330	Social Research	3 hrs
SOCI 4343	Race, Class and Gender	3 hrs
SOCI 4352	Integrative Sociology Seminar	<u>3 hrs</u>
		<b>24 hrs</b>

### *Supporting Required Courses*

GLST 1322	Global Issues	3 hrs
CRIM 3336	Criminology	3 hrs
PSYC 3319	Social Psychology	<u>3 hrs</u>
		<b>9 hrs</b>

### *Sociology Electives*

**9 hrs**  
Choose nine hours of electives to prepare for graduate school, business or human service careers. Six hours of electives must be in Sociology at the 3000-or-above level. Subsequent three hours can be an advisor-approved course outside of Sociology or another 3000-or-above Sociology course.

**TOTAL MAJOR HOURS 42 hrs**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

## Requirements for a Minor in Sociology

SOCI 1301	Self and Society	3 hrs
SOCI 2345	Social Theory	3 hrs
SOCI 2349	Topics in Sociology	3 hrs
SOCI 4343	Race, Class and Gender	3 hrs
SOCI	Two 3000- or 4000-Level Courses	<u>6 hrs</u>
		<b>TOTAL 18 hrs</b>

## Spanish

The Spanish major is a 36-hour degree designed for students interested in developing proficiency in oral and written Spanish and in gaining an understanding and appreciation of Hispanic culture and literature, in combination with acquiring knowledge and skills in an area of career interest. In addition, students are strongly encouraged to study abroad for credit through one of our recommended programs. Spanish majors can look forward to career opportunities in government, journalism, the



Foreign Service and other public service fields or in any area where proficiency in the Spanish language and knowledge of Hispanic culture will be an asset. The coursework required for this major includes language courses determined according to each student's proficiency in Spanish, a 12-hour core for all students and electives to complete at least 36 hours in Spanish.

**Language Proficiency**

The targeted level of language proficiency is “Intermediate High to Advanced Low” in both speaking and writing. There are several ways to achieve the minimum proficiency required for the degree.

**Native Speakers of Spanish:** Students who grew up speaking Spanish probably already have the required oral proficiency. However, through coursework native and heritage speakers will add depth and breadth to their vocabulary and cultural knowledge of the Spanish-speaking world as they progress in the degree. This level of proficiency can be demonstrated by bringing to St. Edward's Advanced Placement (AP) credit from high school, taking the Spanish College Level Examination Program (CLEP) on campus for Spanish credit or taking the university placement test (no credit given).

**Nonnative Spanish Speakers and English-Dominant Bilinguals:** Students who have learned Spanish at home and in school, but who have not yet attained the Intermediate High level, will be placed in courses that reflect and build upon their proficiency level. These courses will lead to improved oral and written proficiency as well as broaden their knowledge of Hispanic Cultures. In order to achieve the level of proficiency needed, nonnative speakers and English-dominant bilinguals who major in Spanish should expect to spend at least one summer term of immersion study in a Spanish-speaking country, or more if at all possible.

**Credit by Exam and Tests of Language Proficiency**

There are several means of getting Spanish-language credit or of being exempt from one or more required courses. Other than the tests described below, students may choose alternative ways of earning college credit for language courses. See “Credit by Examination” on page 31.

**Advanced Placement (AP) Credit:** For information on credit given by St. Edward's for AP exams that students took in high school, go to [think.stedwards.edu/apacademicaffairs/advancedplacementtestapt](http://think.stedwards.edu/apacademicaffairs/advancedplacementtestapt).

**Spanish College Level Examination Program (CLEP):** For information on the amount of Spanish college credit available through CLEP exams, go to [think.stedwards.edu/academicssuccess/clepequivalents](http://think.stedwards.edu/academicssuccess/clepequivalents).

**Placement Test:** St. Edward's uses the Brigham Young University Placement Exam to determine in which course a student should be placed. This test does not give

language credit. All students who have had some Spanish before but do not have credit, either through coursework or through one of the means listed above, should take the placement test before registering for a Spanish class.

**Study Abroad/International Experience**

Ideally, all students should spend time abroad in Latin America or Spain in order to experience the cultural and linguistic environment of another country and to develop an awareness of the norms of the business community and other professions. Students need to plan carefully for study abroad to ensure the best fit with their program requirements. Summer study after the sophomore or junior year, or a semester or academic year of study at the junior level, usually fits best with the general education requirements at St. Edward's, the requirements of the major and courses available at institutions abroad.

**Internship**

An internship stressing application of language and cultural knowledge in a Hispanic environment is an option. The internship (SPAN 4350, or SPAN 4320 if completed abroad) gives students the opportunity to put communication skills and cultural knowledge to use in a practical work setting. Additionally, students may do a language-instruction internship to gain elective hours within the major (SPAN 4152, 4252, 4352). In this type of internship, students with the requisite skills assist language faculty teaching lower-division courses.

**Bachelor of Arts with a Major in Spanish**

**Required Courses (12 hours)**

- Required core courses must be taken in residence, unless permission has been granted by the area coordinator or department chair.
- Majors must take at least two courses at the 4000-level. SPAN 4398, Senior Seminar, may be counted toward this requirement.
- Students may enroll in 3000-level courses concurrently with SPAN 3330. If SPAN 3330 is not offered, students may enroll in other 3000-level courses, although some courses may require permission of instructor.
- Students may enroll in 4000-level courses after completing SPAN 3330.

SPAN 3330	Spanish Grammar in Context	3 hrs
SPAN 3341	Effective Written Communication	3 hrs
SPAN 3322	Introduction to Hispanic Linguistics	3 hrs
SPAN 4398	Senior Seminar	<u>3 hrs</u>
		<b>12 hrs</b>

**Intermediate Language courses:**

Students who place out of 15 hours of Spanish may not take intermediate courses. However, they are usually necessary as foundational courses for nonnative speakers

and English-dominant bilinguals who need to refine their skills before entering the 3000-level. Up to six hours of the intermediate courses listed below can be used as electives to count toward the major or minor.

SPAN 2312	Spanish IV	3 hrs
SPAN 2325	Topics in Modern Latin America and Spain	3 hrs
SPAN 2326	Practical Conversation	3 hrs
SPAN 2351	Topics in Hispanic Studies	<u>3 hrs</u>
		<b>0–6 hrs</b>

***Spanish Electives (18–24 hours, 15 of which must be chosen according to the stipulations below)***

*Group I: Must select two of the following courses in literature:*

SPAN 3336	Introduction to Latin American Literature	3 hrs
SPAN 3340	Introduction to Spanish Literature	3 hrs
SPAN 4303	Topics in Latin American Literature	3 hrs
SPAN 4308	Hispanic Children's Literature	3 hrs
SPAN 4399	Advanced Topics in Spanish	<u>3 hrs</u>
		<b>6 hrs</b>

*Group II: Must select two of the following courses in Culture:*

SPAN 3331	Culture and Civilization of Latin America	3 hrs
SPAN 3332	Spanish Culture and Civilization	3 hrs
SPAN 3333	Mexican-American Cultural Experience	3 hrs
SPAN 3343	Political and Economic Culture of Latin America	3 hrs
SPAN 3399	Topics in Spanish	3 hrs
SPAN 4301	Advanced Topics in Hispanic Culture	<u>3 hrs</u>
		<b>6 hrs</b>

*Group III: Must select one of the following courses in Applied Languages and Linguistics:*

SPAN 3334	Spanish for Careers	3 hrs
SPAN 3335	Introduction to Business Spanish	3 hrs
SPAN 3348	Topics in Hispanic Linguistics	3 hrs
SPAN 4302	Advanced Topics in Hispanic Linguistics	3 hrs
SPAN 4305	Introduction to Translation	3 hrs
SPAN 4320	Directed Study for Experience Abroad	3 hrs
SPAN 4342	Professional Oral Communication	3 hrs
SPAN 4347	Advanced Business Spanish	3 hrs
SPAN 4350	Internship in Spanish	3 hrs
SPAN 4152–4352	Language Instruction Internship	1– <u>3 hrs</u>
		<b>3 hrs</b>

*Spanish majors, in consultation with their advisor, may also choose one of the following courses in English to complement an area of interest.*

CLLC 3199–3399	Comparative Languages, Literatures and Cultures	1–3 hrs
COMM 3344	Intercultural Communication	3 hrs
CULF 3331	(When Topic Applies)	3 hrs
ENGL 3399	Special Topics in Literature (When	

ECON 3321	topic is Hispanic/Latino literature)	3 hrs
HIST 3337	Economics of Latin America	3 hrs
HIST 3352	History of Mexico	3 hrs
POLS 3320	History of Latin America	3 hrs
	Politics and Governments of Latin America	3 hrs
POLS/GLST 4399	(Topics: US Latin American Relations)	3 hrs
POLS/GLST 4399	(Topics: Brazil)	3 hrs
POLS/GLST 4399	(Topics: Spain)	3 hrs
REL 2324	Religion in Latin America	<u>3 hrs</u>
		<b>3 hrs</b>

**TOTAL MAJOR HOURS**

*In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.*

**Requirements for a Minor in Spanish**

Students will complete 18 hours of Spanish courses. At least six hours toward the minor must be taken in residence at St. Edward's. SPAN 3330 and SPAN 3341 are required of all minors. An additional six hours must be taken at St. Edward's or as approved study abroad hours. At least nine of the hours taken in residence or abroad must be upper-division or represent courses in the language beyond the intermediate level. For additional requirements regarding the minor, see General Requirements for a Minor on page 33.

Nonnative speakers will usually start the minor with SPAN 2312 and complete the 18 hours with subsequent courses. Native speakers and bilinguals seeking a minor in Spanish will normally begin with higher-level courses and complete the hours required with the two core courses plus electives. Study abroad is also available for students interested in a minor.

***Required Courses (6 hrs)***

SPAN 3330	Spanish Grammar in Context	3 hrs
SPAN 3341	Effective Written Communication	3 hrs

***Spanish Electives***

***Intermediate Language courses:*** These courses are designed as foundational courses for nonnative speakers and English-dominant bilinguals who need to refine their skills before entering the 3000-level. Up to six hours of the intermediate courses listed below can be used as electives to count toward the major or minor. However, students who place into SPAN 3330 may take SPAN 2351 for credit with permission from the department chair or area coordinator.

SPAN 2312	Intermediate Spanish II	3 hrs
SPAN 2325	Topics in Modern Latin America and Spain	3 hrs
SPAN 2326	Practical Conversation	3 hrs

SPAN 2351	Topics in Hispanic Studies	<u>3 hrs</u>
		<b>0–6 hrs</b>

***Students may choose courses from any of the following groups to complete the remaining 6-12 hours.***

*Group I:*

SPAN 3336	Introduction to Latin American Literature	3 hrs
SPAN 3340	Introduction to Spanish Literature	3 hrs
SPAN 4303	Topics in Latin American Literature	3 hrs
SPAN 4308	Hispanic Children's Literature	3 hrs
SPAN 4399	Advanced Topics in Spanish	3 hrs

*Group II:*

SPAN 3331	Culture and Civilization of Latin America	3 hrs
SPAN 3332	Spanish Culture and Civilization	3 hrs
SPAN 3333	Mexican-American Cultural Experience	3 hrs
SPAN 3343	Political and Economic Culture of Latin America	3 hrs
SPAN 3399	Topics in Spanish	3 hrs
SPAN 4301	Advanced Topics in Hispanic Culture	<u>3 hrs</u>

*Group III:*

SPAN 3334	Spanish for Careers	3 hrs
SPAN 3335	Introduction to Business Spanish	3 hrs
SPAN 3348	Topics in Hispanic Linguistics	3 hrs
SPAN 4302	Advanced Topics in Hispanic Linguistics	3 hrs
SPAN 4305	Introduction to Translation	3 hrs
SPAN 4320	Directed Study for Experience Abroad	3 hrs
SPAN 4342	Professional Oral Communication	3 hrs
SPAN 4347	Advanced Business Spanish	3 hrs
SPAN 4350	Internship in Spanish	3 hrs
SPAN 4152–4352	Language Instruction Internship	1–3 hrs

**TOTAL REQUIRED HOURS** **18 hrs**

## Teacher Education

The School of Education adheres to high standards of academic excellence as it prepares caring, moral educators who are well prepared to teach in culturally diverse schools. The school promotes excellence and accountability in teaching and learning within a framework of democracy and social justice. Faculty in the School of Education strive to model lifelong learning and the courage to take risks and foster critical and creative thinking in professional interactions with each other.

Approved by the State Board for Educator Certification, the school offers undergraduate and postbaccalaureate teacher certification at four levels (EC–12, EC–6, 4–8 and 7–12) with certifications in Art, Bilingual Generalist, Chemistry, English Language Arts and Reading, ESL Generalist, Generalist, History, Life Science, Mathematics, Physical Education, Social Studies, Spanish, Special Education and Theater Arts.

Undergraduate degree-seeking students who complete the professional education courses designated below will be awarded a minor in teacher education in addition to their major.

A listing of the available academic majors leading to teacher certification are as follows:

### All-Level Certification (EC–Grade 12)

Art  
Kinesiology (Physical Education)  
Spanish  
Special Education  
Theater Arts

### Elementary School Certification (EC–Grade 6)

English Language Arts and Reading (Generalist and ESL Generalist)  
Spanish Language Arts and Reading (Bilingual Generalist)  
Special Education (EC–12 Special Education and EC–6 Generalist)

### Middle School Certification (Grades 4–8)

English Language Arts and Reading  
Mathematics  
Social Studies

### Secondary Certification (Grades 7–12)

Biology (Life Science)  
Chemistry  
English Language Arts and Reading  
History  
Mathematics  
Physics/Mathematics

To review ASEP and Title II reports for St. Edward's, please visit the School of Education website at [think.stedwards.edu/education](http://think.stedwards.edu/education).

## Undergraduate Teacher Certification Benchmarks

### Admission to the Teacher Education Program

Students who intend to earn a teaching certificate in conjunction with a degree must apply for admission to the Teacher Education program. Undergraduate students who have not been admitted into the program will not be permitted to enroll in EDUC or READ coursework at or above the 3000 level. Declaration of an academic major associated with teacher education is not equivalent to admission to the program.

In order to become eligible for admission to the Teacher Education program, the undergraduate candidate must fulfill the following requirements:

1. Completion of 60 semester hours, with a cumulative grade point average of 2.75 or better.

2. Completion of all Foundational Skills courses (except modern language) with a grade of C or better.
3. Completion of 12–15 semester hours in the major content area.
4. Completion of the THEA Test with a minimum test score of 250 in reading, 230 in mathematics and 220 in writing, or documented exemption. (See page 96.)
5. Submission of two recommendation forms from St. Edward's University faculty.
6. Submission of a formal application by the appropriate deadline. The priority deadlines for application are Sept. 15, Feb. 15, and July 15. Application forms are available in Fleck Hall 216.

The Teacher Education Advisory Committee will convene to review applications and make recommendations for admission or denial to the program. Applicants will be notified of admission status in writing. Any student denied admission may reapply later when eligibility requirements are met. There will be no conditional admissions.

## Retention or Dismissal

Any student who fails to maintain the standards required for retention in the Teacher Education program will receive written notification of dismissal from the dean of Education. Upon dismissal, students will not be permitted to apply for the Student Teaching Internship. Retention in the Teacher Education program requires that the student maintain the following standards:

1. A cumulative grade point average of 2.75 or better.
2. A grade point average of 2.75 or better in the academic major, with no grade below a C in any course. Students must repeat any course within the academic major in which a grade below a C is earned.
3. A grade point average of 3.0 or better in all EDUC and READ coursework, with no grade below a C in any course. Students must repeat any EDUC or READ course in which a grade below a C is earned.
4. Professional conduct consistent with the Code of Ethics and Standard Practices for Texas educators.
5. Fitness to teach (see page 95).

## Admission to the Student Teaching Internship

To be admitted to the student teaching internship, one must meet the following requirements:

1. Good standing within the Teacher Education program.
2. A grade point average of 2.75 or better in the academic major, with no grade below a C in any course. Students must repeat any course within the academic major in which a grade below a C is earned.
3. A cumulative grade point average of 2.75 or better.
4. Validation of 45 clock hours of pre-student-teaching field experiences.
5. Completion of each course from the professional

education sequence (EDUC 1330, 2331, 3333/3337, 4334/4338 & READ 4343) with a grade of C or better and a cumulative GPA of 3.0 in these courses.

6. Favorable recommendations from three members of the Teacher Education faculty.
7. Professional conduct consistent with the Code of Ethics and Standard Practices for Texas educators.
8. Submission of a formal application by the appropriate deadline. The priority deadlines for application are Sept. 15 and Feb. 15. Application forms are available in Fleck Hall 216.

The Teacher Education Advisory Committee will convene to review applications and make recommendations for admission or denial to the internship. Applicants will be notified of admission status in writing. Once admitted, the student should enroll in the appropriate student teaching internship (e.g., EDUC 4649, 4650, 4651, 4652, 4653 or 4655). Any student denied admission may reapply later when eligibility requirements are met.

## Postbaccalaureate Teacher Certification Benchmarks

### Deficiency Plan for Teacher Certification:

Each prospective student should have a deficiency plan produced to delineate the specific requirements that must be fulfilled to obtain certification. The following information is required to produce a deficiency plan:

1. A cover letter with the prospective student's name, email address and phone number and the nature of the desired certification (e.g., EC–12 Art, 7–12 Math, EC–6 Generalist);
2. Photocopies of all official college transcripts;
3. Photocopies of THEA Test results (if available); and
4. Photocopy of any teacher certificates (if applicable).

## Admission to the Teacher Education Program

All postbaccalaureate students intent on earning a teaching certificate must apply for admission to the Teacher Education program. Postbaccalaureate students who have not been admitted into the program will not be permitted to enroll in EDUC or READ coursework at or above the 4000 level. The preparation of a deficiency plan and admission to the university does not constitute admission to the Teacher Education program.

In order to become eligible for admission to the Teacher Education program, the postbaccalaureate candidate must fulfill the following requirements:

1. At least a baccalaureate degree from a regionally accredited institution with at minimum a 2.75 cumulative GPA.
2. A deficiency plan prepared by, and on file with, the certification officer.
3. Completion of 12–15 semester hours in the major



content area.

4. Completion of the THEA Test with a minimum test score of 250 in reading, 230 in mathematics and 220 in writing, or documented exemption. (See page 96.)
5. Completion of, or concurrent enrollment in, EDUC 1330 and/or EDUC 2331.
6. Submission of two recommendation forms from St. Edward's University faculty.
7. Submission of a formal application by the appropriate deadline. The priority deadlines for application are Sept. 15, Feb. 15, and July 15. Application forms are available in Fleck Hall 216.

## Retention or Dismissal

Any student who fails to maintain the standards required for retention in the Teacher Education program will receive written notification of dismissal from the dean of Education. Upon dismissal, students will not be permitted to apply for the student-teaching internship. Retention in the Teacher Education program requires that the student maintain the following standards:

1. A cumulative grade point average of 3.0 or better.
2. A grade point average of 2.75 or better in the academic major, with no grade below a C in any course. Students must repeat any course within the academic major in which a grade below a C is earned.
3. A grade point average of 3.0 or better in all EDUC and READ coursework, with no grade below a B in any course. Students must repeat any EDUC or READ course in which a grade below a B is earned.
4. Professional conduct consistent with the Code of Ethics and Standard Practices for Texas educators.
5. Fitness to teach (see next column).

## Admission to the Student Teaching Internship

To be admitted to the student teaching internship, one must meet the following requirements:

1. Good standing within the Teacher Education program.
2. A grade point average of 2.75 or better in the academic major, with no grade below a C in any course. Students must repeat any course within the academic major in which a grade below a C is earned.
3. A cumulative grade point average of 3.0 or better.
4. Validation of 45 clock hours of pre-student-teaching field experiences.
5. Completion of each course from the professional education sequence (EDUC 1330, 2331, 3333/3337 and 4334/4338 and READ 4343) with a grade of B or better and a cumulative GPA of 3.0 in these courses.
6. Favorable recommendations from all pertinent members of the Teacher Education faculty.
7. Professional conduct consistent with the Code of

Ethics and Standard Practices for Texas educators.

8. Submission of a formal application by the appropriate deadline. The priority deadlines for application are Sept. 15 and Feb. 15. Application forms are available in Fleck Hall 216.

The Teacher Education Advisory Committee will convene to review applications and make recommendations for admission or denial to the internship. Applicants will be notified of admission status in writing. Once admitted, the student should enroll in the appropriate student teaching internship (e.g., EDUC 4649, 4650, 4651, 4652, 4653 or 4655). Any student denied admission may reapply later, after eligibility requirements are met.

## Fitness for the Teaching Profession

Students who are admitted to teacher education are expected to demonstrate both academic and specified non-academic standards that are necessary to be competent teachers. The intent is to ensure that the students recommended for teacher certification are able to effectively and independently carry out the duties for which they are being prepared. The fitness standards and behaviors are as follows:

- The student demonstrated proficiency and competence in both oral and written English.
- The student was both consistent and punctual in attending classes, meetings, advising sessions, internship placements/assignments, etc.
- The student met deadlines for required work (i.e. completed papers, projects, etc., on time).
- The student performed an equitable share of the work on group assignments and collaborated with others to solve problems.
- The student received feedback in an appropriate and reasonably non-defensive manner.
- The student expressed feedback in a constructive way (i.e. specific, concrete, non-judgmental, positive as well as negative).
- The student dealt with and expressed frustrations in appropriate, direct, non-aggressive ways (did not raise voice, use labels or name-calling, become physical).
- The student maintained a reasonable level of mental and physical health under pressure or in stressful situations.
- The student treated all people with respect (i.e. refrained from pejorative statements or negative actions based upon race, gender, religious affiliation, etc., treated all people fairly).
- The student voiced concerns, criticisms, and complaints in an appropriate and constructive manner (maintained composure, took responsibility

for his/her role in the situation, proposed solutions, accepted the outcome without resentment).

- The student interacted in a respectful, professional manner with pupils, peers, instructors, supervisors, both in the university classroom and in field assignments.

**Student Review Committee (SRC).** Faculty members will advise students regarding any concerns with meeting the fitness standards. Formal concerns will be documented in writing on a Fitness Alert Form (FAF), with copies given to the student and the dean of the School of Education. Students who have been identified with a demonstrable discrepancy by two or more professors or cooperating teachers will meet with the Student Review Committee (SRC). The SRC is comprised of three faculty members appointed by the chair or dean. The SRC will discuss the problems, concerns and issues and in collaboration with the student will develop a growth plan. *Failure to make satisfactory progress on the growth plan may result in denied admission to student teaching or removal from the program.*

**Student Teaching Performance.** Student teachers are expected to perform at the professional level during their internship. Grades below “B” reflect unacceptable performance, and the Teacher Education Advisory Committee (TEAC) will determine whether to recommend certification.

## Teacher Certification Testing Requirements

### Texas Higher Education Assessment (THEA)

The THEA consists of three subtests designed to provide information about basic proficiency in communications and computation skills. For admission into the Teacher Education program and entry into upper-level professional development courses, St. Edward's University students must earn and document the following scores on the three THEA subtests: Reading, 250; Mathematics, 230; Writing, 220.

Students may be exempt from the THEA requirement based on results from the following assessments:

- ACT: A composite score equal to or greater than 23 with a score greater than or equal to 19 on the English and/or mathematics tests shall make the student exempt from the corresponding section of the THEA. These scores are valid up to five years from the date of testing.
- SAT: A combined verbal and mathematics score of 1070 with a minimum of 500 on the verbal and/or mathematics tests shall make the student exempt from the corresponding section of the THEA. These scores are valid up to five years from the date of testing.
- Texas Assessment of Knowledge and Skills (TAKS):

A minimum scale score of 2200 on the Math section and/or a minimum scale score of 2200 on the English Language Arts section shall make the student exempt from the corresponding section of the THEA. These scores are valid up to three years from the date of testing.

All students must provide documentation of successful THEA completion or exemption to the School of Education office prior to application to the Teacher Education program or enrollment in upper-level professional development courses.

### Teacher Certification Examinations

Individuals seeking teacher certification in Texas are required to successfully complete comprehensive certification examinations. The specific exams required are designated on the degree or deficiency plan.

Postbaccalaureate candidates who did not complete their content area coursework requirements at St. Edward's and do not successfully complete the designated content area test on the first attempt may be required to complete additional content area coursework before receiving subsequent authorization for certification test registration for the designated content area test.

### Practice Examinations

All St. Edward's teacher certification candidates are encouraged to complete the appropriate practice test before receiving authorization to register for any of the certification tests.

For more information on the practice tests or to register for a practice test, contact the School of Education office, Fleck Hall 216, 512-448-8651.

To prepare for the practice test, carefully read the *Registration Bulletin* and the appropriate *Preparation Manual* or *Study Guide* in their entirety. Answer the sample test questions provided in the manual or study guide.

### Registration Procedures for Certification Tests (TExES or BTLPT)

A candidate for initial educator certification must obtain approval to test from the certification officer in the School of Education. In order to obtain authorization and have your test registration validated, you must do the following:

- Contact the certification officer via email (jfranks@stedwards.edu) using your St. Edward's University email address.
- Provide the certification officer with your full name and desired test name and number.

If approved, you will be provided with registration instructions by return email.

## Application for Teacher Certification

To be eligible for Texas teacher certification, the applicant

must have successfully completed all requirements outlined in the degree or deficiency plan, including the TExES and/or BTLPT tests. From any computer connected to the Internet, the applicant should go to the SBEC website ([www.sbec.state.tx.us/](http://www.sbec.state.tx.us/)) and select the link titled "SBEC Online." Applicants should log on to the system and set their own user name and password in the system. After signing on to the system, applicants will be prompted to enter their demographic/profile information. Applicants can apply for certification by indicating the entity (St. Edward's University) that will be recommending them, affirming that everything they have entered is correct (no signature needed) and printing out a remittance (payment) form presented on the screen that they will include in their payment to SBEC. Applicants should then notify the St. Edward's University certification officer via email that they have initiated the online application process with SBEC. The certification officer will complete the application and confirm this with the applicant via email.

## Early Childhood–Grade 6 Program Requirements

Students who successfully complete one of the following interdisciplinary areas of specialization, supporting required courses, minor course requirements (EC–6) and the general education requirements will be awarded a Bachelor of Arts degree in the specific area of concentration upon graduation.

Upon the successful completion of a student teaching internship and the appropriate certification examinations, the student will be recommended to SBEC for Texas EC–Grade 6 teacher certification.

### Areas of Specialization (Majors)

#### Bachelor of Arts with an Interdisciplinary Major in English Language Arts and Reading

##### (Certifications: EC–6 Generalist & ESL)

ENGL 3334	Children's Literature	3 hrs
ENGW 2300	Introduction to Creative Writing	3 hrs
ENGW 2320	American Grammar	3 hrs

*Select three hours from the following nine courses:* 3 hrs

ENGW 2301	Poetry Workshop	
ENGW 2302	Fiction Workshop	
ENGW 2303	Playwriting Workshop	
ENGW 2304	Special Creative Writing Workshops	
ENGW 2305	Creative Nonfiction Workshop	
ENGW 2323	Research and Argumentation	
ENGW 2325	Text and Discourse Analysis	
ENGW 2326	Revising and Editing	
ENGW 2329	Information Design	

LING 3330	Introduction to English Linguistics	3 hrs
LING 3339	Language Acquisition and Second Language Methodology	3 hrs

READ 2341	Emerging Literacy Methods	3 hrs
READ 3348	Literacy Assessment and Methods	3 hrs
READ 4343	Content Area Literacy	<u>3 hrs</u>
		<b>27 hrs</b>

##### Supporting Required Courses

ARTS 2330	Arts for Children	3 hrs
EDUC 2337	Teaching Mathematics in the Elementary School	3 hrs
EDUC 2339	Teaching Science in the Elementary School	3 hrs
GEOG 1303	World Geography	3 hrs
HIST 3301	History of Texas	3 hrs
KINE 3331	Health and Physical Education for Children	3 hrs
MATH 1335	Mathematics for Elementary Teachers	3 hrs
MATH 1336	Geometry for Elementary Teachers	3 hrs
SPED 2324	Introduction to Special Education	<u>3 hrs</u>

**27 hrs**

**TOTAL MAJOR HOURS 54 hrs**

#### Bachelor of Arts with an Interdisciplinary Major in Spanish Language Arts and Reading

##### (Certifications: EC–6 Generalist and Bilingual)

EDUC 3142	Bilingual Methodology in Mathematics and Science	1 hr
EDUC 3340	Bilingual Elementary School Curriculum	3 hrs

*Select three hours from the following two courses:*

LING 3330	Introduction to Linguistics	3 hrs
SPAN 3322	Introduction to Spanish Linguistics	3 hrs

LING 3339	Language Acquisition and Second Language Methodology	3 hrs
READ 2341	Emerging Literacy Methods	3 hrs
READ 3348	Literacy Assessment and Methods	3 hrs
READ 4343	Content Area Literacy	3 hrs
SPAN 3330	Grammar and Composition I	3 hrs
SPAN 3341	Grammar and Composition II	3 hrs
SPAN 3333	Mexican-American Cultural Experience	3 hrs
SPAN 4308	Hispanic Children's Literature	<u>3 hrs</u>

**31 hrs**

##### Supporting Required Courses

ARTS 2330	Arts for Children	3 hrs
EDUC 2337	Teaching Mathematics in the Elementary School	3 hrs
EDUC 2339	Teaching Science in the Elementary School	3 hrs
GEOG 1303	World Geography	3 hrs
HIST 3301	History of Texas	3 hrs
KINE 3331	Health and Physical Education for Children	3 hrs
MATH 1335	Mathematics for Elementary Teachers	3 hrs
MATH 1336	Geometry for Elementary Teachers	3 hrs

SPED 2324	Introduction to Special Education	3 hrs
		<u>27 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>58 hrs</b>

## **Bachelor of Arts with an Interdisciplinary Major in Special Education**

### **(Certifications: EC–12 Special Education and EC–6 Generalist)**

*Students who successfully complete the interdisciplinary major in Special Education may test for certification in All-level (EC–12) Special Education and EC–6 Generalist.*

SPED 2324	Introduction to Special Education	3 hrs
SPED 2336	Characteristics of Students with Learning and Behavioral Disabilities	3 hrs
SPED 2338	Teaching Students with Emotional and Behavioral Disorders	3 hrs
SPED 3125	Special Education and the Law	1 hr
SPED 3340	Adapting Instruction for Students with Mild/Moderate Disabilities	3 hrs
SPED 3341	Classroom and Behavior Strategies for Students with Disabilities	3 hrs
SPED 3344	Assessing Students with Disabilities	3 hrs
SPED 3345	Teaching Reading, Language Arts, and Math to Students with Disabilities	3 hrs
SPED 3352	Teaching Students with Autism Spectrum Disorders (ASD)	3 hrs
		<u>25 hrs</u>

### **Supporting Required Courses**

ARTS 2330	Arts for Children	3 hrs
EDUC 2337	Teaching Mathematics in the Elementary School	3 hrs
EDUC 2339	Teaching Science in the Elementary School	3 hrs
ENGW 2320	American Grammar	3 hrs
ENGL 3334	Children's Literature	3 hrs
GEOG 1303	World Geography	3 hrs
LING 3330	Introduction to Linguistics	3 hrs
LING 3339	Language Acquisition and Second Language Methodology	3 hrs
MATH 1335	Mathematics for Elementary Teachers	3 hrs
MATH 1336	Geometry for Elementary Teachers	3 hrs
READ 2341	Emerging Literacy Methods	3 hrs
READ 4343	Content Area Literacy	3 hrs
		<u>36 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>61 hrs</b>

### **Requirements for a Minor in Teacher Education (EC–6)**

EDUC 1330	Schooling, Education and Society	3 hrs
EDUC 2331	Learning Processes and Evaluation	3 hrs
EDUC 2332	Educational Technology Integration	3 hrs
EDUC 3335 *	Early Childhood Education	3 hrs

EDUC 3337	Elementary Instructional Methods and Classroom Management	3 hrs
EDUC 4338	Curriculum and Evaluation in the Elementary School	3 hrs
PSYC 2308	Child Development	3 hrs
<b>TOTAL</b>		<b>18–21 hrs</b>

*\* EDUC 3335 is not required for Special Education majors.*

### **Student Teaching Internships (EC–6)**

EDUC 4360	Student Teaching Seminar	3 hrs
EDUC 4361	Student Teaching Internship	3 hrs

## **Grades 4–8 Program Requirements**

Students who successfully complete one of the following interdisciplinary areas of specialization, minor course requirements (4–8) and the general education requirements will be awarded a Bachelor of Arts degree in the specific area of concentration upon graduation.

Upon the successful completion of a student teaching internship and the appropriate certification examinations, the student will be recommended to SBEC for Texas Grade 4–8 teacher certification.

### **Areas of Specialization (Majors)**

#### **Bachelor of Arts with an Interdisciplinary Major in English Language Arts and Reading**

##### **(Certification: 4–8 English Language Arts and Reading)**

ENGL 2322	British Literature I	3 hrs
ENGL 2323	British Literature II	3 hrs
ENGL 3301	American Literature I	3 hrs
ENGL 3302	American Literature II	3 hrs
ENGL 3334	Children's Literature	3 hrs
ENGW 2320	American Grammar	3 hrs
ENGW 2323	Research and Argumentation	3 hrs

*Select three hours from the following two courses:* 3 hrs

ENGW 2325	Text and Discourse Analysis	
ENGW 2329	Information Design	
LING 3330	Introduction to English Linguistics	3 hrs
LING 3339	Language Acquisition and Second Language Methodology	3 hrs
ENGW/LING 3300+	Upper-Division Elective	3 hrs
READ 4343	Content Area Literacy	3 hrs
<b>TOTAL MAJOR HOURS</b>		<b>36 hrs</b>

#### **Bachelor of Arts with an Interdisciplinary Major in Mathematics**

##### **(Certification: 4–8 Mathematics)**

MATH 1335	Mathematics for Elementary Teachers	3 hrs
MATH 1336	Geometry for Elementary	



EDUC 2337	Teachers Teaching Mathematics in the Elementary School	3 hrs 3 hrs
MATH 2312	Precalculus (or demonstration of competence)	3 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2315	Discrete Mathematics	3 hrs
MATH 2321	Calculus III	3 hrs
MATH 3305	Linear Algebra	3 hrs
or		
MATH 3310	Differential Equations	
MATH 3320	Applied Statistics	3 hrs
MATH 3300+	Upper-Division Elective	3 hrs
READ 4343	Content Area Literacy	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>37 hrs</b>

### **Bachelor of Arts with an Interdisciplinary Major in Social Studies**

#### **(Certification: 4–8 Social Studies)**

CULF 3330	History and Evolution of Global Processes	3 hrs
GEOG 1303	World Geography	3 hrs
GLST 1322	Global Studies	3 hrs
HIST 1301	U.S. History to 1877	3 hrs
HIST 1302	U.S. History Since 1877	3 hrs
HIST 2321	World Civilization: The Pre-Modern World	3 hrs
HIST 2329	World Civilization: The Modern World	3 hrs
HIST 2349	Topics: History for Elementary Teachers	3 hrs
HIST 3301	History of Texas	3 hrs
HIST 3300+	Mexican or Latin American History Elective	3 hrs
POLS 1305	American National Government	3 hrs
POLS 1306	State and Local Government	3 hrs
READ 4343	Content Area Literacy	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>39 hrs</b>

#### **Requirements for a Minor in Teacher Education (4–8)**

EDUC 1330	Schooling, Education and Society	3 hrs
EDUC 2331	Learning Processes and Evaluation	3 hrs
EDUC 2332	Educational Technology Integration	3 hrs
EDUC 3333	Secondary Instructional Methods and Classroom Management	3 hrs
EDUC 4334	Curriculum and Evaluation in the Secondary School	3 hrs
PSYC 2307	Adolescent Psychology	3 hrs
or		
PSYC 2308	Child Development	3 hrs
READ 3349	Literacy and Assessment for Diverse Populations	3 hrs

SPED 2324	Introduction to Special Education	<u>3 hrs</u> <b>24 hrs</b>
-----------	-----------------------------------	-------------------------------

#### **Student Teaching Internship (4–8)**

EDUC 4359	Student Teaching Seminar	3 hrs
EDUC 4361	Student Teaching Internship	3 hrs

### **Grades 7–12 Program Requirements**

Students successfully completing one of the following interdisciplinary areas of specialization, supporting required courses (if applicable), minor course requirements (7–12) and the general education requirements will be awarded a Bachelor of Arts degree in the specific area of concentration upon graduation.

Upon the successful completion of a student teaching internship and the appropriate certification examinations, the student will be recommended to SBEC for Texas Grade 7–12 teacher certification. A second teaching field is optional.

#### **Areas of Specialization (Majors)**

##### **Bachelor of Arts with a Major in Biology**

#### **(Certification: 7–12 Life Science)**

BIOL 1307, 1107	General Biology: Cells, Genetics and Organ Systems, Lab	4 hrs
BIOL 1308, 1108	General Biology: Organisms and Populations, Lab	4 hrs
BIOL 2401	Anatomy and Physiology I	4 hrs
BIOL 2402	Anatomy and Physiology II	4 hrs
BIOL 2334	Molecular Genetics	3 hrs
BIOL 3339, 3139	Microbiology, Lab	4 hrs
BIOL 4342, 4142	Population Biology and Ecology, Lab	4 hrs
BIOL 4344	Evolution	3 hrs
BIOL 3000+	Upper-Division Elective	<u>3 hrs</u>
		<b>33 hrs</b>

#### **Supporting Required Courses:**

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 3320	Applied Statistics	3 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>

**26 hrs**

#### **TOTAL MAJOR HOURS**

**59 hrs**

##### **Bachelor of Arts with a Major in Chemistry**

#### **(Certification: 7–12 Chemistry)**

CHEM 1340, 1140	General Chemistry, Lab	4 hrs
CHEM 2320, 2120	Analytical Chemistry, Lab	4 hrs
CHEM 2323, 2123	Organic Chemistry I, Lab	4 hrs
CHEM 3325, 3125	Organic Chemistry II, Lab	4 hrs

CHEM 3332	Spectroscopic, Chromatographic and Electrochemical Methods	3 hrs
CHEM 3334	Structural Inorganic Chemistry	3 hrs
CHEM 3336	Quantum Mechanics and Spectroscopy	3 hrs
CHEM 3242	Chemical Instrumentation Lab	2 hrs
CHEM 4242	Advanced Synthesis and Structural Determination Lab	2 hrs
CHEM 4157	Research (four times)	<u>4 hrs</u>
		<b>33 hrs</b>

***Supporting Required Courses:***

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
PHYS 2320, 2125	Mechanics and Waves, Lab	4 hrs
PHYS 2321, 2126	Electricity, Magnetism and Optics, Lab	4 hrs
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>

**18 hrs**

**TOTAL MAJOR HOURS 51 hrs**

**Bachelor of Arts with a Major in English Language Arts and Reading**

**(Certification: 7–12 English Language Arts and Reading)**

ENGW 2320	American Grammar	3 hrs
ENGW 2323	Research and Argumentation	3 hrs
ENGW 2300+	Elective	3 hrs
ENGL 2322	British Literature I	3 hrs
ENGL 2323	British Literature II	3 hrs
ENGL 3301	American Literature I	3 hrs
ENGL 3302	American Literature II	3 hrs
ENGL 3334	Children's Literature	3 hrs
LING 3330	Introduction to English Linguistics	3 hrs
LING 3339	Language Acquisition and Second-Language Methodology	3 hrs

ENGL/		
ENGW 3000+	Upper-Division Elective	<u>3 hrs</u>

**TOTAL MAJOR HOURS 33 hrs**

**Bachelor of Arts with a Major in History**

**(Certification: 7–12 History)**

HIST 1301	U.S. History to 1877	3 hrs
HIST 1302	U.S. History Since 1877	3 hrs
HIST 2321	World Civilization: The Pre-Modern World	3 hrs
HIST 2329	World Civilization: The Modern World	3 hrs
HIST 3301	History of Texas	3 hrs
HIST 3311	Western Civilization	3 hrs
HIST 3320	European History	3 hrs
HIST 4342	Senior Research Seminar	3 hrs
HIST 4344	20th Century Europe	3 hrs
HIST 3000+	Upper-Division Electives	<u>6 hrs</u>

**TOTAL MAJOR HOURS 33 hrs**

**Bachelor of Arts with a Major in Mathematics**

**(Certification: 7–12 Mathematics)**

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2315	Discrete Mathematics	3 hrs
MATH 2321	Calculus III	3 hrs
MATH 3305	Linear Algebra	3 hrs
MATH 3310	Differential Equations	3 hrs
MATH 3316	Advanced Calculus	3 hrs
MATH 3318	Inquiry and Proofs	3 hrs
MATH 4342	Abstract Algebra	3 hrs
MATH 4157	Research (four times)	4 hrs

*Select three hours from the following:*

MATH 3320	Applied Statistics	3 hrs
MATH 3334	Probability and Theory of Statistics	<u>3 hrs</u>

**35 hrs**

***Supporting Required Course:***

SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>
-----------	-----------------------------------	--------------

**3 hrs**

**TOTAL MAJOR HOURS 38 hrs**

**Bachelor of Arts with a Major in Mathematics**

**(Certification: 7–12 Mathematics and Physics)**

MATH 2313, 2113	Calculus I, Lab	4 hrs
MATH 2314	Calculus II	3 hrs
MATH 2315	Discrete Mathematics	3 hrs
MATH 2321	Calculus III	3 hrs
MATH 3305	Linear Algebra	3 hrs
MATH 3310	Differential Equations	3 hrs
MATH 3316	Advanced Calculus	3 hrs
MATH 3318	Inquiry and Proofs	3 hrs
MATH 4342	Abstract Algebra	3 hrs
MATH 4157	Research (four times)	4 hrs

*Select three hours from the following:*

MATH 3320	Applied Statistics	3 hrs
MATH 3334	Probability and Theory of Statistics	<u>3 hrs</u>

**35 hrs**

***Supporting Required Course:***

PHYS 2325	University Physics I	3 hrs
PHYS 2125	Mechanics and Waves Lab	1 hr
PHYS 2326	University Physics II	3 hrs
PHYS 2126	Electricity, Magnetism, and Optics Lab	1 hr
SCIE 4345	History and Philosophy of Science	<u>3 hrs</u>

**11 hrs**

**TOTAL MAJOR HOURS 46 hrs**

**Requirements for a Minor in Teacher Education (7–12)**

EDUC 1330	Schooling, Education and Society	3 hrs
EDUC 2331	Learning Processes and Evaluation	3 hrs
EDUC 2332	Educational Technology Integration	3 hrs

EDUC 3333	Secondary Instructional Methods and Classroom Management	3 hrs
EDUC 4334	Curriculum and Evaluation in the Secondary School	3 hrs
PSYC 2307	Adolescent Psychology	3 hrs
READ 3349	Literacy and Assessment for Diverse Populations	3 hrs
READ 4343	Content Area Literacy	3 hrs
SPED 2324	Introduction to Special Education	<u>3 hrs</u>
<b>TOTAL</b>		<b>27 hrs</b>

### Student Teaching Internship (7–12)

EDUC 4359	Student Teaching Seminar	3 hrs
EDUC 4361	Student Teaching Internship	3 hrs

## Early Childhood–Grade 12 Program Requirements

Students who successfully complete one of the following interdisciplinary areas of specialization, supporting required courses (if applicable), minor course requirements (EC–12) and the general education requirements will be awarded a Bachelor of Arts degree in the specific area of concentration upon graduation.

Upon the successful completion of a student teaching internship and the appropriate certification examinations, the student will be recommended to SBEC for Texas EC–12 teacher certification. A second teaching field is optional.

### Areas of Specialization (Majors)

#### Bachelor of Arts with a Major in Art

##### (Certification: EC–12 Art)

VISU 1100	First Year Seminar in Visual Studies	1 hr
VISU 1311	Visual Studies I	3 hrs
ARTS 1311	Foundation Art and Design	3 hrs
ARTS 1316	Drawing I	3 hrs
ARTS 1318	Clay I	3 hrs
ARTS 2303	Art History I	3 hrs
ARTS 2304	Art History II	3 hrs
ARTS 2330	Arts for Children	3 hrs
ARTS 2332	Drawing II	3 hrs
ARTS 3319	Painting I	3 hrs
ARTS 3339	Modern Art History	3 hrs
ARTS 3060	Portfolio Review	0 hrs
ARTS 4346	Senior Portfolio Seminar	3 hrs
ARTS 4070	Senior Exhibition	0 hrs
ARTS 3000+	Upper-Division Electives	6 hrs

*Select three hours from the following:*

ARTS 3329	Printmaking: Intaglio	3 hrs
ARTS 3334	Printmaking: Relief	<u>3 hrs</u>

**TOTAL MAJOR HOURS** **43 hrs**

#### Bachelor of Arts with a Major in Kinesiology

##### (Certification: EC–12 Physical Education)

KINE 1121–1124	Instructional Topics (four courses)	4 hrs
KINE 1311	Introduction to Kinesiology and Sport Sciences	3 hrs
KINE 1320	Safety and First Aid	3 hrs
KINE 2324	Physical Activity, Recreation and Sports for Special Populations	3 hrs
KINE 2335	Prevention and Treatment of Athletic Injuries	3 hrs
KINE 2344	Concepts of Physical Fitness and Wellness	3 hrs
KINE 3331	Health and Physical Education for Children	3 hrs
KINE 3334	Musculoskeletal Anatomy and Biomechanics	3 hrs
KINE 3336	Recreation and Sport for the Adolescent	3 hrs
KINE 3338	Motor Learning and Development	3 hrs
KINE 3346	Measurement and Evaluation in Kinesiology and Sports	3 hrs
KINE 4337	Exercise Physiology	3 hrs
KINE 4345	Legal and Ethical Issues in Sport and Kinesiology	3 hrs

*Select three hours from the following:*

KINE 3333	Management of Kinesiology and Sports Programs	3 hrs
KINE 4340	Coaching Theory and Practice	<u>3 hrs</u>
<b>TOTAL MAJOR HOURS</b>		<b>43 hrs</b>

##### Supporting Required Courses:

BIOL 1306*	Biology Principles	3 hrs
BIOL 2401*	Anatomy and Physiology I	<u>4 hrs</u>
		<b>7 hrs</b>

**TOTAL MAJOR HOURS** **50 hrs**

*\* Required support courses cannot be taken Pass/No Pass.*

#### Bachelor of Arts with a Major in Spanish

##### (Certification: EC–12 Spanish)

##### Intermediate Language Courses

Students who place out of 15 hours of Spanish may not take intermediate courses. However, they are usually necessary as foundational courses for nonnative speakers and English-dominant bilinguals who need to refine their skills before entering the 3000-level courses.

SPAN 2325	Reading and Listening Comprehension	3 hrs
SPAN 2326	Practical Conversation	<u>3 hrs</u>
		<b>0-6 hrs</b>

##### Required Courses

SPAN 3330	Grammar and Composition I	3 hrs
SPAN 3322	Introduction to Hispanic Linguistics	3 hrs
LING 3339	Language Acquisition and Second-	

	Language Methodology	3 hrs
SPAN 3341	Grammar and Composition II	3 hrs
SPAN 4352	Language Instruction Internship	3 hrs
SPAN 4398	Senior Seminar	3 hrs

Select six hours from the following four courses:

SPAN 3336	Introduction to Latin American Literature	3 hrs
SPAN 3340	Introduction to Spanish Literature	3 hrs
SPAN 4303	Seminar in Latin American Literature	3 hrs
SPAN 4308	Hispanic Children's Literature	3 hrs

Select six hours from the following five courses:

SPAN 3331	Culture and Civilization of Latin America	3 hrs
SPAN 3332	Culture and Civilization of Spain	3 hrs
SPAN 3333	Mexican-American Cultural Experience	3 hrs
SPAN 3343	Political and Economic Culture of Latin America	3 hrs
SPAN 4301	Seminar in Hispanic Culture	3 hrs

Select a minimum of three hours from the following courses to complete the major. Advanced students may be required to complete more than three hours to meet the 39-hour major requirement:

SPAN 3334	Spanish for Careers	3 hrs
SPAN 3335	Introduction to Business Spanish	3 hrs
SPAN 3348	Topics in Hispanic Linguistics	3 hrs
SPAN 4302	Advanced Topics in Hispanic Linguistics	3 hrs
SPAN 4305	Introduction to Translation	3 hrs
SPAN 4320	Directed Study for Experience Abroad	3 hrs
SPAN 4342	Professional Oral Communication	3 hrs
SPAN 4347	Advanced Business Spanish	3 hrs
SPAN 4350	Internship in Spanish	3 hrs

**TOTAL MAJOR HOURS 39 hrs**

## Bachelor of Arts with a Major in Theater Arts

### (Certification: EC-12 Theater)

THAR 1330	Theater Skills I: Stagecraft and Lighting	3 hrs
THAR 1331	Theater Skills II: Costume and Makeup	3 hrs
THAR 1351	Performance IA	3 hrs
THAR 1352	Performance IB	3 hrs
THAR 2310	Design for Theater, Film & Television	3 hrs
THAR 2128	Theater Practicum I	1 hr
THAR 2130	Theater Practicum II	1 hr
THAR 2347	Play Analysis	3 hrs
THAR 2361	Theater History I	3 hrs
THAR 2362	Theater History II	3 hrs
THAR 3307	Voice for Performance	3 hrs
THAR 3334	Theater Management I	3 hrs
THAR 3337	Directing	3 hrs
THAR 3153	Theater Practicum III	1 hr
THAR 4154	Theater Practicum IV	1 hr

Select six hours from the following:

THAR 3323	Lighting Design I	3 hrs
THAR 3324	Scene Design I	3 hrs
THAR 3325	Costume Design I	3 hrs
THAR 3326	Makeup Design	3 hrs

**TOTAL MAJOR HOURS 43 hrs**

### Requirements for a Minor in Teacher Education (EC-12)

EDUC 1330	Schooling, Education and Society	3 hrs
EDUC 2331	Learning Processes and Evaluation	3 hrs
EDUC 2332	Educational Technology Integration	3 hrs
EDUC 3333	Secondary Instructional Methods and Classroom Management	3 hrs
EDUC 4334	Curriculum and Evaluation in the Secondary School	3 hrs
READ 3349	Literacy and Assessment for Diverse Populations	3 hrs
READ 4343	Content Area Literacy	3 hrs
SPED 2324	Introduction to Special Education	3 hrs

Select three hours from the following:

PSYC 2307	Adolescent Psychology	3 hrs
PSYC 2308	Child Development	3 hrs
<b>TOTAL</b>		<b>27 hrs</b>

### Student Teaching Internship (EC-12)

EDUC 4359	Student Teaching Seminar	3 hrs
EDUC 4361	Student Teaching Internship	3 hrs

## Theater Arts

We recognize the responsibility of providing our students with the basic training, education and experience necessary for the pursuit of theater careers in professional, educational or community theaters. We also recognize the responsibility of providing our students with the knowledge and abilities to live full, rewarding and productive lives. This dual nature of the Theater Arts program seeks to develop and graduate student artists who are sensitive, aware and total human beings.

Our program is grounded in classroom training mixed with production experience. In addition, we invite guest artists from the world of professional theater, film and television to work with faculty and students in production. Thus, we offer direct opportunities for observation and association with working professionals before graduation. We also offer hands-on possibilities for students to act, write, design and direct. By providing our students with these demanding and exciting training experiences, we come closest to realizing our stated goals.

A major in Theater Arts requires that students first master the theater core, which provides them with a general knowledge of all aspects of Theater Arts. Upon completion of the freshman year, students will choose whether to continue with the General Theater



specialization or to specialize in Theater Design/Technology or Theater Management specializations. The final option is to audition for the BFA in Acting. Because of our U/RTA contract with Actors' Equity Association, students who successfully complete the requirements of the Membership Candidate program are eligible to join Actors' Equity. We are one of the few undergraduate theater programs in the country with this affiliation. We are also one of a few undergraduate theater programs that offer a specialization in Theater Management.

A total of 52–66 hours of Theater Arts is required of all Theater Arts majors earning a Bachelor of Arts or Bachelor of Fine Arts: 25 from the theater core and 27–41 from one of the specializations/degrees: Acting, Theater Design/Technology, General Theater or Theater Management. First-semester freshmen may take no more than six hours of Theater Arts.

## Bachelor of Arts with a Major in Theater Arts

### Theater Core Required Courses

THAR 1330*	Theater Skills I: Stagecraft and Lighting	3 hrs
THAR 1331*	Theater Skills II: Costume and Makeup	3 hrs
THAR 1351	Performance IA	3 hrs
THAR 2310	Design for Performance	3 hrs
THAR 2128*	Theater Practicum I	1 hr
THAR 2130*	Theater Practicum II	1 hr
THAR 2347	Play Analysis	3 hrs
THAR 2361	Theater History I	3 hrs
THAR 2362	Theater History II	3 hrs
THAR 3334	Theater Management I	3 hrs
THAR 3153*	Theater Practicum III	1 hr
THAR 4154*	Theater Practicum IV	<u>1 hr</u>
		<b>28 hrs</b>

### General Theater Specialization

THAR 1352	Performance 1B	3 hrs
THAR 3000+	Upper-Division Elective	3 hrs
THAR 3000+	Upper-Division Elective	3 hrs
THAR 3307	Voice I	3 hrs
Music elective	Private or Voice Class	2 hrs
Dance elective		1 hr

*Choose three hours from the following:*

THAR 3336	Topics in Theater: Dramaturgy	3 hrs
ENGL 3335-3338	Theme Specific Courses	3 hrs

*Choose three hours from the following:*

THAR 3323*	Lighting Design I	3 hrs
THAR 3324*	Scene Design I	3 hrs
THAR 3325*	Costume Design I	3 hrs
THAR 3326*	Makeup Design	3 hrs

*Choose three hours from the following:*

THAR 3340	Stage Management	3 hrs
-----------	------------------	-------

THAR 3337	Directing	3 hrs
THAR 4348	Theater Management II	<u>3 hrs</u>

**24 hrs**

### TOTAL MAJOR HOURS

**52 hrs**

*\*Includes a crew component.*

### Theater Design/Technology Specialization

#### Design Specialization

THAR 2306	Drawing & Rendering for the Theater	3 hrs
THAR 2304/	Drafting for the Theater or	
THAR 2320	Costume Technology	3 hrs
THAR 2314	History of Costume & Décor	3 hrs
ARTS 2303/2304	Art History I or Art History II	3 hrs
THAR 3328	Technology Studio	3 hrs
THAR 4240	Portfolio	2 hrs
THAR 4356	Computer Design Skills	3 hrs
THAR 4266	Master Design Class	2 hrs
THAR 4342/4343/4344	Scenic, Lighting or Costume Projects	3 hrs

*Select nine hours from this group:*

THAR 3323*	Lighting Design I	3 hrs
THAR 3324*	Scene Design I	3 hrs
THAR 3325*	Costume Design I	3 hrs
THAR 3326*	Makeup Design	<u>3 hrs</u>
		<b>9 hrs</b>

*Select three hours from this group:*

THAR 4363	Lighting Design II	3 hrs
THAR 4364	Scene Design II	3 hrs
THAR 4365	Costume Design II	<u>3 hrs</u>
		3 hrs

**37 hrs**

### TOTAL MAJOR HOURS

**65 hrs**

*\*Includes a crew component.*

### Suggested Support Courses

ARTS 2303/		
2304/3339	Art History	
COMM 2307	Media Communication	
ENGL 3335–3338	Drama Studies	
GDES 2313	Graphic Design I	
GDES 2331	Graphic Design II	
PHCO 1318	Photography I	
THAR 1352	Performance IB	
THAR 3330	Performance II	
THAR 3338	Performance III	

### Theater Management Specialization

ECON 2301	Microeconomics	3 hrs
PHIL 2303	Logic	3 hrs
MGMT 3334	Organizational Behavior	3 hrs
THAR 3340	Stage Management	3 hrs
COMM 4316	Leadership	3 hrs
THAR 4348	Theater Management II	3 hrs

Select three hours from the following:

PSYC 2301	General Psychology	3 hrs
PSYC 2316	Theories of Personality (with permission of instructor)	3 hrs

Select three hours from 4000 level:

THAR 4349	Special Topics in Theater Management	3 hrs
THAR 4359	Stage Management II	<u>3 hrs</u>

**24 hrs**

## TOTAL MAJOR HOURS

**52 hrs**

*\*Includes a crew component.*

### Suggested Support Courses

BUSI 3303	Legal Environment of Business
COMM 3337	Public Relations
COMM 4316	Public Relations for Nonprofits
ENTR 3381	Entrepreneurship
MKTG 3331	Marketing Promotion
PHIL 3313	Business Ethics
POLI 3334	Public Policy

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

## Bachelor of Fine Arts with a Major in Acting

Students selected into this competitive program will receive advanced training in the process of acting along with the required courses. Advanced courses in this program include period styles, advanced voice and speech, dialects, movement, and acting for the camera. Upon culmination of their studies, students will participate in a showcase of their work for an audience of industry professionals such as agents and casting directors. This showcase will be the outcome of creative collaboration with faculty members of the Acting area. This carefully integrated and comprehensive sequence of courses is intended to support the artistic sensibility, academic rigor and personal growth of its participants. Students will also be eligible to participate in the Equity Membership Candidacy program (EMC) with the potential to join Actors Equity Association upon graduation. In addition to being trained and mentored by quality faculty, BFA students will be required to attend professional workshops with a variety of guest artists supported by St. Edward's unique and progressive Professional Development Series.

### Core Required Courses

THAR 1330*	Theater Skills I: Stagecraft and Lighting	3 hrs
THAR 1331*	Theater Skills II: Costume and Makeup	3 hrs
THAR 1351	Performance IA	3 hrs
THAR 2128*	Practicum I	1 hr
THAR 2130*	Practicum II	1 hr
THAR 2310	Design for Performance	3 hrs

THAR 2347	Play Analysis	3 hrs
THAR 2361	Theater History I	3 hrs
THAR 2362	Theater History II	3 hrs
THAR 3153*	Practicum III	1 hr
THAR 4154*	Practicum IV	<u>1 hr</u>

**25 hrs**

*\*Includes a crew component.*

The BFA in Acting core differs from the General Theater core by not requiring THAR 3334, Theater Management. This course can be taken as an elective. Also, all Practicum courses are included in the core sequence.

### Required Acting Courses

THAR 1352	Performance IB	3 hrs
THAR 3307	Voice I	3 hrs
THAR 3308	Voice II	3 hrs
THAR 3312	Exploration of Movement	3 hrs
THAR 3322	Acting for the Camera	3 hrs
THAR 3330	Performance II	3 hrs
THAR 3336	THAR Elective	3 hrs
THAR 3338	Performance III	3 hrs
THAR 4318	Voice III	3 hrs
THAR 4332	Acting for the Camera II	3 hrs
THAR 4341	Performance IV	3 hrs
THAR 4355	Performance V	3 hrs
THAR 4357	Professional Preparation	3 hrs
DANC	Elective Dance Course	1 hr
MUSI 2143	Applied Voice	<u>1 hr</u>

**41 hrs**

## TOTAL MAJOR HOURS

**66 hrs**

In addition to the major program requirements, all students must satisfy the general education requirements (see page 37) and complete unrestricted electives to have a total of at least 120 hours for graduation.

## Requirements for a Minor in Theater Arts

### Theater Arts Core Curriculum

THAR 1330*	Theater Skills I: Stagecraft and Lighting	3 hrs
THAR 1331*	Theater Skills II: Costume and Makeup	3 hrs
THAR 1311	Acting for Non-Majors	3 hrs
THAR 2310	Design for Theater, Film and Television	3 hrs
THAR 2361/2362	Theater History I or Theater History II	3 hrs
THAR 3334	Theater Management I	3 hrs
MUSI	Private or Class Voice	2 hrs
DANC	Elective Dance Course	1 hr

Select three additional hours from the following:

THAR 3323*	Lighting Design
THAR 3324*	Scene Design
THAR 3325*	Costume Design
THAR 3326*	Makeup Design
THAR 3340	Stage Management
THAR 4348	Theater Management II

**TOTAL**

3 hrs  
**24 hrs**

\* Includes a crew component.

# Women’s Studies

The minor in Women’s Studies is an interdisciplinary program designed to supplement study in the student’s academic major. The goal of the minor is to offer students opportunities to understand and discuss the forces that have influenced, and continue to influence, the unique social, political and economic positions of women in all cultures — as well as give voice to the life experiences of these women. Ultimately, the interdisciplinary understanding developed by the students should form the basis on which they will build a more just, peaceful world for women and men in the future.

This minor will prepare students for jobs that require an understanding of women’s issues in business (over half the workforce is female), nonprofit organizations, and professions such as counseling, law, medicine, religious service, social work and teaching. One or more courses will include a service-learning project.

## Requirements for a Minor in Women’s Studies

### Required Courses:

WMST 1301	Introduction to Women’s Studies	3 hrs
<i>Choose three hours from the following courses:</i>		
WMST 2120	Community Service in Women’s Studies	1 hr
WMST 2220	Community Service in Women’s Studies	2 hrs
WMST 2320	Community Service in Women’s Studies	<u>3 hrs</u>
		<b>6 hrs</b>

### Additional Courses:

Choose 12 hours from the following four groups. At least one course must be from the School of Behavioral and Social Sciences and at least one from the School of Humanities, with at least nine hours total at the 3000 or 4000 level.

### General Education Courses:

CULF 1318*	Literature and Human Experience (WMST topic preapproval needed)	3 hrs
CULF 1319*	Understanding and Appreciating the Arts (WMST topic preapproval needed)	3 hrs
CULF 3331*	Contemporary World Issues (WMST topic preapproval needed)	3 hrs
CAPS 4360	Capstone (WMST topic preapproval needed)	3 hrs

### Women’s Studies Courses:

WMST 2339	Special Topics in Women’s Studies	3 hrs
WMST 3339	Special Topics in Women’s Studies	3 hrs

### School of Behavioral and Social Sciences:

CRIM 2349/	Topics in Criminology	
CRIM 4349	(WMST topic preapproval needed)	3 hrs
SOCI 3327	Marriage and Family	3 hrs
HIST 3335	Women in American Society	3 hrs
SOCI 4343	Race, Class and Gender	3 hrs

### School of Humanities:

COMM 2321	Gender Communication	3 hrs
COMM 3362	Mothers and Daughters	3 hrs
COMM 4323	Feminist Perspectives on Social Change	3 hrs
ENGL 3339*	Special Topics in Literature (WMST topic preapproval needed)	3 hrs
RELS 2326	Women in the Bible	3 hrs
SPAN 4303*	Topics in Latin American Literature: Women in Latin America	<u>3 hrs</u>
	<b>TOTAL</b>	<b>18 hrs</b>

\* These are topics courses. They may count for this minor only when the specifically listed topics are taught or topics are preapproved by WMST program.

If you find a New College course that covers Women’s Studies, please discuss this with an advising specialist in the school of your major as an option.

## COURSE DESCRIPTIONS

### Academic Planning and Support (APSC)

#### 1110 Effective College Learning 1 hour

This course is designed to enhance students' success in college studies through the development of effective academic and self-management skills. Topics include note taking, time management, reading and test-taking skills, concentration, memory techniques, handling stress, motivation, and exploring and clarifying academic and life goals. Course activities may include readings, self-assessments, quizzes and exercises to practice skills and techniques, consultations with an instructor to review work plans and progress, and a final exam. When indicated by conditional-admission status or academic standing, certain students will be required to complete this course successfully in a given semester. Fall, Spring.

### Accounting (ACCT)

Undergraduate business courses contain a content-relevant ethics component.

#### 2301 Principles of Accounting I 3 hours

The nature and use of accounting information; analysis of economic effects of business transactions; business and accounting cycles; preparation and content of financial statements. Students pursuing an *MSB* major or minor must earn a grade of C or higher in this course. Prerequisite: MATH 2312; Co-requisite: COSC 1318 or COSC 1313.

#### 2303 Principles of Accounting II 3 hours

Introduction to preparation and use of accounting information for decision-making with an emphasis on internal managers. Topics include cost behavior, cost accounting systems, budgeting, responsibility accounting, capital budgeting and ratio analysis. Students pursuing an *MSB* major or minor must earn a grade of C or higher in this course. Prerequisite: ACCT 2301 with a C or higher.

#### 3331 Intermediate Accounting I 3 hours

This course covers recording business transactions in accordance with U.S. Generally Accepted Accounting Principles. The course also provides exposure to International Financial Reporting Standards and the use of FASB's Accounting Standards Codification website. Topics include: accounting for cash, receivables, inventories, investments, intangible assets, current liabilities and contingencies, revenue recognition, and plant, property and equipment. Prerequisites: Junior standing; ACCT 2301 and ACCT 2303 with a C or higher; COSC 1318 or COSC 1313.

#### 3332 Intermediate Accounting II 3 hours

This course is a continuation of Intermediate I, ACCT 3331. It continues the coverage of recording business transactions in accordance with U.S. Generally Accepted Accounting Principles. The course also provides exposure to International Financial Reporting Standards and the use of FASB's Accounting Standards Codification website. Topics include: accounting for taxes, pensions, bonds and corporate capital. Prerequisites: Junior standing; ACCT 3331.

#### 3333 Cost Accounting 3 hours

Accumulating, analyzing and reporting information relevant for managerial decision-making. Topics include standard and direct

costing using job order and process cost methodologies; variance analysis; accounting for material, labor and overhead; budgeting and capital budgeting; relevant costs; lean accounting.

Computer spreadsheet applications. Prerequisites: ACCT 2301 and ACCT 2303 with a C or higher, and COSC 1318 or 1313.

#### 3334 Federal Taxation 3 hours

Introduction to the federal income tax system, determination of income and deductions, and taxation of property transactions, with emphasis on individual taxpayers. Basic research techniques and tax return preparation. Same as FINC 3334. Prerequisites: ACCT 2301, ACCT 2303, ACCT 3331 and COSC 1318 or COSC 1313.

#### 3335 Data Storage Systems 3 hours

A study of the role of data storage and file organization in computer systems. Topics include storage design and implementation, creation and querying of data, data representation and file formats, data security, privacy issues, data archival, backup and recovery of data systems, and the importance of data storage in corporations to satisfy the accounting and reporting needs of management, transaction processors and system administrators. Assignments will include programming in an appropriate scripting language. Same as COSC 3335. Prerequisite: COSC 2325 with a C or better. Fall, odd-numbered years.

#### 3337 Database Theory and Applications 3 hours

Topics include introduction to database concepts, data models, data normalization, data description languages, query facilities, file organization, index organization, file security, and data integrity and reliability. Same as COSC 3337. Prerequisite: C or better in COSC 2325.

#### 3381 Accounting Management for Entrepreneurs 3 hours

In this course, the student will be exposed to aspects of financial accounting and reporting and tax issues that are particularly relevant for the entrepreneur. Students will learn about employment and income tax planning through practical exercises focused on entrepreneurial ventures. Additionally, accounting information systems, retirement planning, risk management and pro forma financial statements will be addressed. Same as ENTR 3386. Prerequisites: ACCT 2301 and ACCT 2303.

#### 3399 Special Topics in Accounting 3 hours

Topical issues in accounting. May be repeated when topics vary. Prerequisite varies with topics.

#### 4342 Governmental and Nonprofit Accounting 3 hours

Fund accounting and reporting for government and nonprofit entities, including state and local governments, colleges, hospitals and other public sector organizations. Prerequisite: ACCT 3332.

#### 4343 Auditing 3 hours

An introduction to the theory, concepts and principles of auditing, emphasizing audit evidence, audit risk, ethical conduct and legal restrictions, professional standards, audit planning, and audit reports. Prerequisites: ACCT 3332, ACCT 3333 and COSC 1318 or 1313.

#### 4346 Accounting Information Systems 3 hours

Analysis of fundamental accounting information systems.



Emphasis on semantic modeling and systems design; relationship of system and organization; objectives, policies, procedures and plans. Prerequisites: COSC 1318 or COSC 1313 and ACCT 3331.

### **4350 Accounting Internship 3 hours**

Supervised experiential learning in a public, private, not-for-profit, or governmental accounting organization is required for this internship course. Students are required to complete a minimum of 120 hours at their internship and must secure an internship offer prior to enrolling. The course is offered online and requires the completion of written assignments during the entire semester. Candidates sitting for the CPA exam cannot count more than one three-hour internship (at either the undergraduate or graduate level) toward the TSBP's 30 accounting-hour requirement. Only one accounting internship course may be applied toward the undergraduate degree requirements. Prerequisites: 12 hours of upper-division accounting coursework, major in accounting, and prior approval of the instructor.

### **4157 Research 1 hour**

Students will conduct research with a faculty member on a problem of mutual interest. Topics include feasibility assessment, risk management, as well as standard tools and techniques. Students will spend the semester investigating, designing, evolving and articulating a solution to their problem. Students will produce a specification and plan for their solution. Prerequisite: Permission of the instructor. Fall, Spring.

### **4359 Senior Project 3 hours**

Students will conduct research with a faculty member on a problem of mutual interest. Topics include feasibility assessment, risk management, as well as standard tools and techniques. Students will spend the semester investigating, designing, evolving and articulating a solution to their problem. Students will produce a specification and plan for their solution. Prerequisite: Permission of the instructor. Fall, Spring.

## **Air Force Science (ARFS)**

The following courses are offered on the campus of the University of Texas. They are entered on the St. Edward's University transcript as credit. Students interested in the ROTC program should contact the Department of Air Force Science at the University of Texas. See page 21.

### **1100 Leadership Laboratory 1 hour**

Various leadership techniques, including drill and ceremonies, customs and courtesies, and uniform standards. Two laboratory hours a week for one semester. Taken on a pass/no pass basis for one credit hour.

### **1102 The Foundations of the USAF I 1 hour**

An introductory course exploring the overall roles and missions of the United States Air Force and career fields available in the Air Force. Emphasis on military customs and courtesies, appearance standards, Air Force core values, and written communication. One lecture hour a week for one semester. Co-requisite: Enrollment in ARFS 1100. Fall.

### **1103 The Foundations of the USAF II 1 hour**

Continuation of ARFS 1102, with an introduction to American military history and emphasis on personal communication. One lecture hour a week for one semester. Co-requisite: Enrollment in ARFS 1100. Spring.

### **2111 The Evolution of USAF Air and Space Power I 1 hour**

Key historical events and milestones in the development of air power as a primary instrument of U.S. national security. One lecture hour a week for one semester. Co-requisite: Enrollment in ARFS 1100. Fall.

### **2112 The Evolution of USAF Air and Space Power II 1 hour**

Basic tenets of leadership and ethical behavior. Interweaves study of Air Force core values and competencies with history of events and leaders in United States air power. One lecture hour a week for one semester. Co-requisite: Enrollment in ARFS 1100. Spring.

### **3120 Leadership Laboratory 1 hour**

Leadership laboratory course for upper-division students. Further development of leadership skills through leadership positions within the cadet corps. Includes training of freshman and sophomore students as well as a practicum in Air Force unit operation. Two laboratory hours a week for one semester. Taken on a pass/no pass basis for one credit hour.

### **3321 Air Force Leadership Studies I 3 hours**

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. 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. Three lecture hours per week for one semester. Prerequisites: ARFS 1102, ARFS 1103, ARFS 2111 and ARFS 2112, and a four- or five-week field training course or equivalent ROTC or military training. Co-requisite: Enrollment in ARFS 3120. Spring.

### **3322 Air Force Leadership Studies II 3 hours**

A continuation of ARFS 3321. Three lecture hours per week for one semester. Prerequisite: ARFS 3321. Co-requisite: Enrollment in ARFS 3120. Spring.

### **3331 National Security Affairs 3 hours**

Evolution of the role of national security in a democratic society, with emphasis on policy formulation, competing values and organizations. Area studies and the impact of developing nations on U.S. national security. Three lecture hours per week for one semester. Prerequisites: ARFS 3321 and ARFS 3322. Co-requisite: Enrollment in ARFS 3120. Fall.

### **3332 Current Issues and Preparation for Active Duty 3 hours**

Acculturation to active duty. Includes study of the evolution and jurisdiction of military law, officership and current Air Force issues. Three lecture hours per week for one semester. Prerequisite: ARFS 3331. Co-requisite: Enrollment in ARFS 3120. Spring.

## **Art (ARTS)**

### **1311 Foundation Art and Design 3 hours**

In this course the relationship between art and design is explored through common texts in conjunction with experimentation in two-, three- and four-dimensional media with an emphasis on process and problem solving. Fall, Spring.

### **1316 Drawing I 3 hours**

The emphasis of this course is on the basic concepts of drawing. Exercises are designed to promote an understanding of form

and expression while developing drawing skills. Conceptual, analytical and observational techniques will be employed in this course. Subjects range from still life to architecture to conceptual and observational volumes. The focus is on line and tonal exercises in black-and-white media, with an emphasis on linear perspective. Fall, Spring.

**1318 Clay I 3 hours**

The first semester places emphasis on learning to create original work while exploring the physical properties of clay. The vast expressive potential of clay will become apparent through increased visual awareness of historic and contemporary ceramic art and through the use of the basic ceramic techniques of forming, glazing and firing. Knowledge of basic tools and equipment will be obtained through the use of hand tools, slab roller, clay extruder, potter's wheel, and electric and gas-fired kilns. Fall, Spring.

**2303 Art History I 3 hours**

A general survey course covering world visual art and architecture from prehistory to the late medieval period. This course is designed to acquaint the student with the relationships between history, culture and art. In addition to tests on readings and lecture materials, students will write essays meant to explore diverse historical methodologies and issues. Fall.

**2304 Art History II 3 hours**

A general survey course covering the Renaissance through the modern period. This course is designed to acquaint the student with the relationships between history, culture and art. Although focused on the Western tradition, this course includes non-Western material and perspectives. In addition to tests on readings and lecture materials, students will write essays meant to explore diverse historical methodologies and local art collections. Arts 2303 is recommended but not required. Spring.

**2330 Arts for Children 3 hours**

A course designed for elementary teachers providing them with the basic concepts, processes and skills involved in the creation, appreciation and evaluation of the visual arts and music.

Though designed for future educators, course content will be applicable for persons directing fine arts programs for children and adolescents outside of school. This course will address the current Texas educator standards (TEXES) for the EC–Grade 6 Generalist, the EC–Grade 6 Bilingual Generalist and the EC–Grade 12 Art certifications. Prerequisites: Sophomore standing, EDUC 1330 and EDUC 2331. Fall, Spring.

**2332 Drawing II 3 hours**

This course is a continuation of ARTS 1316, as students expand upon preexisting knowledge of line, volume, light, shading and perspective to initiate conceptual development in their work.

This course is designed to expand the student's use of materials and processes within the context of drawing and to specifically pose questions about concept. Emphasis will be placed on the exploration of color media and compositional choices. Subjects range from still life to non-objective drawing. Prerequisite: ARTS 1316. Spring.

**2366 Watercolor I 3 hours**

An introductory course in the use and application of watercolor and water-based mediums in both traditional and experimental styles. Mediums employed in this course range from transparent watercolor to gouache, acrylic, and India ink. Fall, Spring.

**2199, 2299, 2399 Topics in Art 1–3 hours**

This course is intended to provide students with an opportunity to focus on a specialized topic in studio art or art history not covered in the traditional curriculum. Specific topics vary

depending on the faculty area of expertise. This course may be repeated for credit when topics vary.

**3319 Painting I 3 hours**

This oil painting course focuses on fundamental painting techniques from direct observation. Emphasis is placed on the plastic medium of paint as it relates to pictorial representation, color, form, texture, and space. Prerequisite: ARTS 1316. Fall.

**3326 Sculpture I 3 hours**

In this course, students use clay to explore sculptural concepts and develop basic skills of observation and execution. Traditional methods of sculpting from the nude figure are introduced as a means of understanding form, shape, structure, anatomy and gesture. Both naturalism and abstraction of the figure are emphasized. Clay and tool kits are available in the bookstore. Prerequisites: ARTS 1311 and ARTS 1316. Fall.

**3329 Printmaking: Intaglio 3 hours**

An introduction to the history and techniques of intaglio printmaking processes including drypoint, etching, aquatint and chin-colle. Open to non-majors with permission of instructor. Prerequisites: ARTS 1311 and ARTS 1316 recommended. Fall.

**3333 Drawing from Nature 3 hours**

This course will introduce students to observational drawing in the landscape through intensive conceptual, visual and material investigations. Projects are designed to sharpen perception and develop interpretive abilities. Students will develop and refine a variety of technical as well as conceptual skills in drawing from life, installation and presentation, time-based drawing and collaborative practices. Students are encouraged to utilize the resources and inspiration of the Wild Basin Preserve. Previous drawing experience is suggested, but not required. Summer.

**3334 Printmaking: Relief 3 hours**

An introduction to the history and techniques of relief printmaking processes that focuses on woodblock printing. Eastern and western processes are explored as well as single block reduction, hand printing and multiple block color printing. Open to non-majors with permission of instructor. Prerequisites: ARTS 1311 and ARTS 1316. Spring.

**3335 Watercolor II 3 hours**

A continuation of water mediums from Watercolor I and exposure to a variety of artists in the water related field. Developing a personal style will be encouraged. Prerequisite: ARTS 2366. Fall, Spring.

**3336 Life Drawing 3 hours**

This studio art course develops students' abilities to render form and to refine their drawing skills and techniques while working from the human figure. Working primarily from dry media, students use line and tone to develop a more complete understanding of proportion, structure and anatomy of the human figure. May be repeated for credit. Prerequisite: ARTS 1316. Fall.

**3337 Painting II 3 hours**

In this course students will build on their experience in Painting I, with an emphasis on individual research, problem solving and creative expression. Students will explore a variety of painting media, techniques and substrates, with oil paint as their primary medium. Fundamental issues of figurative painting, observation and compositional concerns, contemporary painting issues, and exposure to professional standards for craft and presentation will be covered in this course. Prerequisite: ARTS 3319 or equivalent, or instructor's approval. Spring.

**3338 Clay II 3 hours**

In this course, students exercise greater responsibility for choosing their personal creative directions. Some students take the opportunity to focus on the potter's wheel, while others choose to focus on hand building. "Special problems" are assigned to advance the student's technical knowledge of clay, glazes and firing. Prerequisite: ARTS 1318. Spring.

**3339 Modern Art History 3 hours**

A survey course in which students will study the development of modern art from impressionism through the first two thirds of the 20th century. The course will include the historical, social, economic and political factors that shaped modernism. Students will become familiar with the major works, art movements and practitioners of the period. In addition to tests on lecture material and readings, students will explore focused research topics, diverse historical methodologies, and objects in local collections through written exercises. Prerequisites: ARTS 2304 required; ARTS 2303 recommended. Fall.

**3340 Issues in Contemporary Art 3 hours**

This course focuses on the art, artists and art world (from museums to the market) of the later 20th and early 21st centuries. Material will be framed in the vocabulary, issues and broader theoretical context of the era, including introductions to formalist, feminist, psychological, sociological, Marxist, structuralist and deconstructivist criticism. Course content will focus on readings, lectures, gallery/museum visits and discussion. Writing assignments may include journal entries, short essays, critical reviews and a multistage individual research paper. Prerequisites: ARTS 3339 and ARTS 2304 required. ARTS 2303 recommended. Spring.

**3349 Topics in Art History 3 hours**

This course examines a specific topic in Art History in its cultural context. Possible topics might include a specific period (Italian Renaissance, Ancient/Medieval Mediterranean, the 19th century, or Germany in the 20s), the history of a particular art form (prints, portraits, or architecture) or an otherwise narrowed field (Maya kingship, an individual artist, history of collecting, or issues in conservation). In addition to lectures and discussion, a significant aspect of this course will be written exercises designed to explore diverse art historical issues and methodologies and to allow students to develop their own interests in greater depth. This course may be repeated for credit when topics vary. Fall, Spring.

**3060 Portfolio Review 0 hours**

Registration in this zero-credit course provides notification to the Art department that a student intends to complete the required portfolio review in the current semester. Only students majoring in art are required to take this course. Students should fulfill their portfolio review requirement after they have completed at least 18 hours of studio art required courses, most often as a second-semester sophomore or a first-semester junior. The portfolio review must be completed before an Art major can take any 4000-level studio courses. Although this course does not meet on a regular schedule, informative meetings will be scheduled and students will be notified of the portfolio review dates and procedures. A P/N grade is assigned for this course, and although it does not get averaged into the overall GPA, students must pass this requirement before they are certified to graduate. Prerequisite: Sophomore standing with a minimum of 18 hours completed in studio art courses. Fall, Spring.

**3199, 3299, 3399 Topics in Art 1–3 hours**

This course is intended to provide students with an opportunity to focus on a specialized topic in studio art not covered in the traditional curriculum. Specific topics vary depending upon the faculty area of expertise. This course may be repeated for credit when topics vary.

**4341 Advanced Drawing 3 hours**

Continued emphasis on composition, visual concepts in drawing and experimentation with materials. Specific problems are designed in collaboration with the student. Prerequisites: ARTS 2332 and ARTS 3060 or equivalent. May be repeated for credit. Spring.

**4342 Advanced Painting 3 hours**

This course is intended for students who have a serious interest in the area of painting. At this level students are expected to work more independently, exploring personal content and vision, designing their own projects and working with the instructor to develop a critical understanding of their work. Special problems will be assigned according to individual interests, including research and writing assignments. Prerequisites: ARTS 2316, ARTS 3060 and ARTS 3337 or equivalents, or instructor's approval. May be repeated for credit. Spring.

**4344 Advanced Clay 3 hours**

This course is intended for students who have a particular interest in the area of ceramics. At this level students must be capable of working independently and be willing to assume more personal responsibility for their creative direction. "Special problems" are assigned to advance the student's technical knowledge of clay, glazes and firing. May be repeated for credit. Prerequisites: ARTS 3338 and ARTS 3060. Spring.

**4345 Advanced Printmaking 3 hours**

For Art majors who wish to concentrate in printmaking. The student may pursue a particular area of interest in the medium. Individuals are expected to develop disciplined work habits. Prerequisites: ARTS 3060, ARTS 3329 and ARTS 3334 or their equivalents. May be repeated for credit. Fall, Spring.

**4346 Senior Portfolio Seminar 3 hours**

This course must be completed before Senior Exhibition, during the fall semester of the last full year. Students will develop a digital portfolio of their work, an artist's résumé, an artist's statement, a biography, image inventory and proposal for Senior Show. Emphasis will be placed upon strategies for greater exposure and success as an artist or arts professional. Prerequisite: ARTS 3060. Fall.

**4350 Internship 3 hours**

Students with junior or senior standing whose interests lie in studio art, museum studies or arts administration may consider an internship with a professional artist, local art organization, gallery or museum. Students gain professional experience in a real-world setting, preparing them for future opportunities in the arts. This opportunity may be repeated once for credit. Permission must be obtained from the instructor prior to registration. Prerequisite: ARTS 3060. Fall, Spring.

**4070 Senior Exhibition 0 hours**

Registration in this zero-credit course provides notification to the Art department that a student intends to complete the senior exhibition requirement in the current semester. Only students majoring in art are required to take this course. Students should fulfill their senior exhibition requirement

during the spring semester of their senior year and after they have completed ARTS 4346, Senior Portfolio Seminar. Although this course does not meet on a regular schedule, informative meetings will be scheduled and students will be notified of the senior exhibition dates and procedures. A P/N grade is assigned for this course, and although it does not get averaged into the overall GPA, students must pass this requirement before they are certified to graduate. Prerequisites: Senior standing, ARTS 3060 and ARTS 4346. Spring.

## **4199, 4299, 4399 Topics in Art 1–3 hours**

This course is intended to provide students with an opportunity to focus on a specialized topic in studio art or art history not covered in the traditional curriculum. Specific topics vary depending upon the faculty area of expertise. This course may be repeated for credit when topics vary. Prerequisite for studio art topics only: ARTS 3060.

## **Arabic (ARAB)**

### **1311 Arabic I (Introductory Level) 3 hours**

A beginning course stressing comprehension, speaking, reading and writing skills. Extensive listening outside of class is an integral part of the course. Fall.

### **1312 Arabic II (Introductory Level) 3 hours**

A continuation of the development of fundamental skills stressed in Arabic I, further development of vocabulary and grammatical structures needed for basic competence. Extensive listening outside of class is an integral part of the course. Prerequisite: ARAB 1311. Spring.

### **2311 Arabic III (Intermediate Level) 3 hours**

The semester course begins with a short review of basic grammatical patterns taught at the introductory level. There is continued development of vocabulary, listening comprehension, reading and writing skills. Oral language activities stress conversation skills needed for ordinary interactions with Arabic speakers. Prerequisite: ARAB 1312. Fall.

### **2312 Arabic IV (Intermediate Level) 3 hours**

Continuation of the development of intermediate-level skills in listening comprehension, speaking, reading and writing stressed in Arabic 2311. Prerequisite: ARAB 2311. Spring.

## **Astronomy (ASTR)**

### **1311 Introduction to Astronomy 3 hours**

Introduction to planetary, stellar and galactic astronomy. Students will become acquainted with the fundamental ideas in modern astronomy and encounter new exploratory ideas as they are currently being developed. Gravitation and its utility in explaining and understanding the structure of the universe will be investigated. Recent astronomic photographs will be used to illustrate and explain concepts. Brief discussion about the possibility of extraterrestrial life is included. Some elementary algebra will be used. Satisfies Science in Depth requirement. Fall, Spring.

## **Bioinformatics (BINF)**

**Courses in Biology marked with an asterisk (\*) may be used as Bioinformatics electives, depending on the degree plan.**

### **1101 Introduction to Bioinformatics 1 hour**

Bioinformatics employs mathematical, statistical and computational methods to process large amounts of biologically

derived information. This course will introduce the major sub-disciplines and technologies of bioinformatics such as genomics, proteomics, comparative genomics, structural genomics, phylogenomics, large-scale ecological and evolutionary studies and DNA microarrays. Offered on sufficient demand.

### **3307 Mathematical Modeling in Biology 3 hours**

An introduction to ordinary differential equations and their applications to biology. Topics include first-order differential equations, first-order systems, linear systems, nonlinear systems, forcing and resonance, numerical methods, and dynamical systems, as time permits. Biological modeling and examples drawn from research articles in biology will be incorporated throughout the course. Same as MATH 3307. Prerequisites: MATH 2314, BIOL 1307, BIOL 1107, BIOL 1308 and BIOL 1108. Spring, offered on sufficient demand.

### **3411 Genomics 4 hours**

An introductory course whose purpose is to provide a basic understanding of the science of genomics (i.e., the study of genome data). A major emphasis will be placed on understanding the logic behind the different genomic approaches and their capabilities and limitations when used to investigate biological processes. Three hours of lecture and three hours of lab per week. Prerequisite: BIOL 2334. Fall.

### **3322 Biostatistics 3 hours**

An introduction to statistical methods and their application to biology. Topics include multiple regression, 2-way ANOVA, non-parametric tests, experimental design, Markov chains and Hidden Markov models. Biological examples will be emphasized throughout. Same as MATH 3322. Prerequisites: MATH 3320, BIOL 1307, BIOL 1107, BIOL 1308 and BIOL 1108. Spring, offered on sufficient demand.

### **3325 Biological Programming 3 hours**

Taught in the context of biological research, this course introduces students to the principles and tools necessary to manipulate and analyze biological data. With an emphasis on data acquisition and analysis, topics may include computational techniques used in the study of genomes and proteomes, ecological data analysis and mathematical modeling of biological systems. Prerequisite: BIOL 2334 or COSC 2325. Spring.

### **3338 Numerical and Scientific Methods 3 hours**

A survey of standard techniques used to solve numerical and other science-based problems. Topics include roots of equations, systems of linear equations, curve fitting, numerical integration and differentiation, error analysis, number representation, and data visualization. Problems will be solved using programs written in appropriate languages and operating systems. Same as COSC 3338 and MATH 3338. Prerequisites: MATH 2314, COSC 1123 and COSC 1323. Offered on sufficient demand.

### **3145, 3245, 3345, 3445 Advanced Topics 1–4 hours**

The course topics offered will vary. Topics are selected to satisfy the special interests and needs of upper-division Bioinformatics students. May be repeated for credit when topics vary. Prerequisite: Varies with topic. Offered on sufficient demand.

### **4410 Bioinformatics 4 hours**

Focuses on the development and application of computational approaches to ask and answer biological questions. Material will be drawn from specific, relevant biological problems including biological sequence analysis, genome sequencing and assembly, biological pattern recognition, analysis of DNA microarray data, and biological networks. Three hours of lecture and three hours of lab per week. Prerequisites: BIOL 2334, COSC 3327 and MATH 3320. Spring.



**4150, 4250, 4350**

**Internship in Bioinformatics 1–3 hours**

An internship in a cooperating industrial, medical or research laboratory. Prior approval of both faculty supervisor and cooperating lab must be obtained. Sixty work hours required per semester hour of credit. Prerequisites: 20 hours of bioinformatics, junior or senior standing, and consent of instructor. Fall, Spring, Summer.

**4157 Bioinformatics Research 1 hour**

Faculty-directed, independent student research leading to the preparation of a senior seminar. A multi-semester course in which students, under the guidance of a faculty member, will: learn research methodology and how to search bioinformatics literature and databases; select a research question, prepare a written proposal or project summary and conduct an independent investigation of their research question; and present a seminar in the senior year based on results obtained from their research question. All students will be encouraged to present their findings at a scientific meeting. Prerequisites: Junior or senior standing, and consent of the instructor. Fall, Spring, Summer.

**Biology (BIOL)**

**BINF 3411 (p. 110) and Biology courses marked with an asterisk (\*) may be used as Biology electives, depending on the degree program.**

**1305 Contemporary Biology 3 hours**

An introduction to the fundamental principles of biology through an in-depth study of a specific topic of contemporary interest. In this lecture/discussion course, students will study the specific topic from organizational levels ranging from genetic and cellular to population. Different sections emphasize different topics. Sample topics include animal behavior, the biology of AIDS, the biological basis of human behavior, entomology and cancer biology. In each section, emphasis will be placed on the cell theory as the primary organizing principle throughout biology. Satisfies the Science in Depth general education requirement. Fall, Spring, Summer.

**1306 Biology Principles 3 hours**

An introduction to the structure and function of living organisms, from the molecular and cellular level to major systems. Human biology is emphasized, but systems from other living organisms will be studied. Satisfies the Science in Depth general education requirement. Fall, Spring, Summer.

**1107 Cells, Genetics and Organ Systems Lab 1 hour**

This lab provides hands-on experience with topics and concepts in BIOL 1307. Prerequisite: BIOL 1307 or registration therein. Concurrent registration is recommended. Fall.

**1307 General Biology: Cells, Genetics and Organ Systems 3 hours**

This is a course in the fundamental principles of biology considering levels of organization from the genes to the organism. Structure and function of animals (primarily human) will be examined. Emphasis is placed on genetics, and strategies developed for hormonal and nervous control mechanisms, internal transport, energy utilization, gas exchange and nutrition. It is recommended to take BIOL 1307 concurrently with BIOL 1107. Intended for students majoring in Biology, Bioinformatics, Biochemistry or Kinesiology (Pre-Physical Therapy only) and for students fulfilling the requirements for entry into medical, dental or other professional schools in the health sciences. Fall, Spring.

**1108 Organisms and Populations Lab 1 hour**

This lab provides hands-on experience with topics and concepts in BIOL 1308. Prerequisite: BIOL 1308 or registration therein. Concurrent registration is recommended. Spring.

**1308 General Biology: Organisms and Populations 3 hours**

This course covers the fundamental principles of biology in the context of the vast diversity that exists. Levels of organization from individuals through populations are explored, stressing ecology and the mechanisms of evolution. It is recommended to take BIOL 1308 concurrently with BIOL 1108. Intended for students majoring in Biology, Biochemistry or Kinesiology (Pre-Physical Therapy only), and students fulfilling the requirements for entry into medical, dental or other professional schools in the health sciences. Spring.

**2401 Anatomy and Physiology I 4 hours**

This is the first semester of a two-semester sequence dealing with the structure and function of the human body and mechanisms for maintaining homeostasis. This includes the study of cells, tissues and the integumentary, skeletal and muscular systems. Not open to BS Biological Science majors. Three hours of lecture and three hours of lab per week. Prerequisite: BIOL 1306 or 1307. Fall.

**2402 Anatomy and Physiology II 4 hours**

This is the second semester of a two-semester sequence focusing on the structure and function of the human body and mechanisms for maintaining homeostasis. This includes the cardiovascular, endocrine, urinary, reproductive and nervous systems. Not open to BS Biological Science majors. Three hours of lecture and three hours of lab per week. Prerequisite: BIOL 2401. Spring.

**2103 Human Anatomy Lab \* 1 hour**

In-depth study of human anatomy, including all organ systems, as well as the histology of various tissue types. This lab is a co-requisite for BIOL 2303, Human Anatomy. Prerequisite: Eight hours of Biology numbered BIOL 1307 or above. Spring.

**2303 Human Anatomy \* 3 hours**

This course is designed to prepare the pre-health professions major with a comprehensive introduction to human anatomy and histology. Emphasis will be placed on the anatomy of the organ systems, especially the musculoskeletal and nervous systems. The structure and function of human organs and tissues will be further described by examination of their histologic appearance. A more in-depth examination of anatomic structures and histology will be performed in the accompanying laboratory. Prerequisite: Eight hours of Biology numbered BIOL 1307 or above. Spring.

**2420 Entomology \* 4 hours**

An introduction to the structure and function of insects and their close relatives. Survey of all the major insect orders emphasizing evolution, systematics, morphology, physiology, life history and behavior. Insect collection a requirement of lab. Optional collecting trips (day, overnight) will be scheduled on weekends/school holidays. Trips greatly facilitate completion of the collection requirement. Prerequisites: BIOL 1308 and BIOL 1108. Fall, even-numbered years.

**2124 Plant Biology Lab \* 1 hour**

This lab complements the material studied in BIOL 2324 and is a co-requisite for that course. In this lab, students study the diversity and physiological processes exhibited in plants in open investigations. Topics for investigation include photosynthetic regulation, genetic structure and expression. A

collection through which students master plant morphology and systematics is a major component of the lab. Spring, odd-numbered years.

**2324 Plant Biology \*** **3 hours**

A study of the plant kingdom with emphasis on flowering plants. The course includes survey of the major orders of flowering plants, emphasizing physiology, anatomy, life history and classification. The laboratory will require a plant collection and successful use of dichotomous keys for identification. Prerequisites: BIOL 1307 and BIOL 1308. Spring, odd-numbered years.

**2428 Vertebrate Biology \*** **4 hours**

The evolution and natural history of vertebrates, the course uses a phylogenetic approach for studying the major vertebrate classes. The course focuses on organismal function that integrates information about morphology, physiology, behavior and ecology to present a view of the way vertebrates interact with their environments. Laboratory exercises serve to familiarize students with vertebrate morphology and systematics. Field trips provide direct experience with vertebrate diversity, natural history and ecology and are scheduled during some lab periods and occasionally on weekends (the latter optional). Three hours of lecture and one lab each week. Prerequisites: BIOL 1308 and BIOL 1108. Fall, even-numbered years.

**2330 Epidemiology \*** **3 hours**

Epidemiology is the survey of the incidence, pathogenesis and investigation of human infectious diseases. It includes descriptions of medically important microbes, factors that influence infectious disease transmission in humans, and the epidemiological techniques employed to study their incidence and prevalence in human populations. Prerequisites: Eight hours of Biology numbered BIOL 1307 or above, or four hours of Biology numbered BIOL 1307 and above and a statistics course. Fall, odd-numbered years.

**2334 Molecular Biology** **3 hours**

Offers a study of the structure and function of DNA as the genetic material and focuses on details surrounding the "central dogma of molecular biology," including DNA replication, transcription, RNA processing and translation, as well as mechanisms of control and regulation of expression of genetic information. Prerequisites: BIOL 1107 and BIOL 1307. Fall, Spring.

**2135 Physiology Lab \*** **1 hour**

Empirical examination of selected systems studied in Physiology lecture (respiratory, cardiac, muscle and neuronal physiology). This lab is a co-requisite for BIOL 2335, Physiology. Prerequisites: BIOL 1107 and BIOL 1307. Fall, Spring.

**2335 Physiology \*** **3 hours**

A cellular and systems approach to the study of the living functions of the human body with emphasis on homeostasis. Various clinical disorders are discussed. Concurrent enrollment in BIOL 2135 is required. Prerequisites: BIOL 1107 and BIOL 1307. Fall, Spring.

**3316 Human Genetics** **3 hours**

Human Genetics is the in-depth study of genetics as it is applied to the human species. Emphasis will be placed on Mendelian and multifactorial inheritance, the importance of human genetic diversity, allele distributions in populations, the tools used to locate and analyze genes involved in human disease and therapies derived from that understanding. Prerequisite: BIOL 2334. Fall, even-numbered years.

**3326 Neurobiology of Mental Illness\*** **3 hours**

Neurobiology of Mental Illness is at the interface between basic and clinical neuroscience. The course offers an in-depth study of disease mechanisms ranging from clinical manifestations and diagnostic criteria to neuronal, molecular and genetic underpinnings of the illness. Emphasis is placed on establishing connections between molecular and neuronal deficits, affected circuits and functional losses. Current and optimal treatments are also discussed. Prerequisite: BIOL 2135 and BIOL 2335, or instructor permission.

**3331 Virology \*** **3 hours**

Virology is the scientific discipline that seeks to understand the nature of viruses. Viruses are extremely important organisms that affect many areas of our lives. They are important pathogens of humans, animals and plants. Indeed, viruses cause some of the most important human diseases and are the focus of intense research. Throughout this course the student will discover the nature of viruses, including their structure, molecular biology, mechanisms of replication and the manner in which they cause human disease. Prerequisite: BIOL 2334. Offered on sufficient demand.

**3332 Immunology \*** **3 hours**

Immunology is the scientific discipline that seeks to understand the nature of the human immune system. The immune system is of paramount importance to the success of humans, as the human body is inundated daily by a multitude of potentially pathogenic microorganisms that left unchallenged would quickly destroy all human bodies. Throughout this course the student will discover the molecular nature of the human immune system including the cellular and noncellular components involved and how these factors interact to combat disease. Prerequisites: BIOL 2334. Spring, odd-numbered years.

**3433 Comparative Vertebrate Anatomy \*** **4 hours**

Evolutionary development of typical vertebrate forms — cephalochordates to mammals. In laboratory, special emphasis is placed upon the anatomy of the shark and the cat. Three hours of lecture and one laboratory a week. Prerequisites: BIOL 1308 and BIOL 1108. Offered on sufficient demand.

**3139 Microbiology Lab** **1 hour**

Microbiology Lab focuses on experimental design and the culture and identification of bacteria. Concurrent enrollment in BIOL 3339 or instructor approval is required. Prerequisites: Eight hours of Biology numbered BIOL 1307 or above and BIOL 2334.

**3339 Microbiology** **3 hours**

Microbiology is the study of microorganisms with an emphasis on their structure, function, and role in sickness, health and research. Concurrent enrollment in BIOL 3139 or instructor approval is required. Prerequisites: Eight hours of Biology numbered BIOL 1307 or above and BIOL 2334.

**3341 Animal Behavior \*** **3 hours**

An introduction to animal behavior using a broad biological approach (linking physiology, ethology, behavioral ecology, comparative psychology). Focus of the class will be on the organization and evolution of the behavior of individuals. Topics include a review of evolutionary theory, development of behavior, communication, the proximate causes of behavior, the control of behavior (neural and organizing mechanisms), mating systems, learning and memory, and social organization (including evolution of human behavior). Same as PSYC 4349, Topics in Psychology: Animal Behavior. Prerequisites: BIOL 1307 and BIOL 1308. Fall, odd-numbered years.

**3145, 3245, 3345, 3445****Advanced Topics in Biology \* 1–4 hours**

The topics offered will vary from year to year to satisfy special needs and interests of students in Biology and related fields. May be repeated when topics vary. Offered on sufficient demand.

**3343 Neuroscience \* 3 hours**

An in-depth study of the organization and function of the human nervous system, from molecular to behavioral levels. Mechanisms and consequences of a variety of neurological disorders will be discussed. Prerequisites: BIOL 2135, BIOL 2335, and CHEM 2323, or instructor permission. Fall, even-numbered years.

**3454 Developmental Biology \* 4 hours**

A study of the cellular, molecular and genetic mechanisms controlling animal development. Using a variety of model organisms as examples, we will study basic developmental processes and their regulation. Students will learn about the modern experimental approaches used in developmental biology research and will interpret and critique current research in developmental biology. The lab section will focus in more detail on selected concepts and will introduce students to several model organisms used in developmental biology research. Prerequisite: BIOL 2334. Spring, even-numbered years.

**3156 Medical Terminology \* 1 hour**

This course provides the building blocks of basic medical terminology by focusing on the component parts of medical terms: prefixes, suffixes and word roots. Rules for combining word parts into complete medical terms will be stressed. Operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology, will be discussed. Spring.

**4437 Cell Biology \* 4 hours**

All living things are composed of cells. Any understanding of biologic principles is predicated upon an understanding of the biology of the cell. Throughout this course the student will investigate the structure of the eukaryotic cell, the trafficking of macromolecules within cells, the mechanisms by which cell division is regulated, the ways in which cells communicate and the biogenesis of cancer. Laboratory emphasizes current techniques utilized to study cell biology. Prerequisites: BIOL 2334, CHEM 2323, CHEM 2123, and either BIOL 2335/2135 or CHEM 3325/3125. Fall, Spring.

**4142 Population Biology and Ecology Lab \* 1 hour**

Students collect and analyze data in experiments designed to test the theories presented in lecture. These include studies of distribution patterns, foraging behavior, and population and community structure. Co-requisite: BIOL 4342. Spring.

**4342 Population Biology and Ecology \* 3 hours**

Study of the abundance and distribution of populations and the factors of the environment that affect them. Emphasis will be on mathematical approaches with confirmation by field data. Prerequisites: Fifteen hours of Biology numbered BIOL 1307 or above and junior or senior standing. Co-requisite: BIOL 4142. Spring.

**4344 Evolution 3 hours**

In-depth analysis of evolution via natural selection using examples from all major classes of organisms. Emphasis is placed on the mechanism and resulting products of evolutionary change. Evolutionary change is examined at the molecular, organismal and population levels of organization. Topics such as speciation, extinction, sociality, sexual selection,

hominid evolution, bio-diversity and conservation biology are investigated in detail. Prerequisite: BIOL 2334. Fall, Spring.

**4146, 4246, 4346 Independent Study \* 1–3 hours**

Supervised independent investigation of advanced biology topics utilizing the pertinent literature. Project culminates in a written (and perhaps oral) presentation of results. A minimum of 60 hours of work are required for a semester hour of credit. Prerequisites: Twenty hours of Biology with a GPA of 3.0 or higher, junior or senior standing, and consent of instructor. Offered on sufficient demand.

**4150, 4250, 4350 Internship in Biology\* 1–3 hours**

An internship with a partner institution in a medical, academic, industrial or other setting. Prior approval of both faculty supervisor and cooperating laboratory must be obtained. Sixty working hours required per semester hour of credit. Prerequisites: Twenty hours of Biology, junior or senior standing, and consent of instructor. Fall, Spring, Summer.

**4157 Research \* 1 hour**

With faculty guidance, students select a research question and conduct an independent investigation. Students will learn about research methodology and how to search relevant literature and databases within their field of study. Research projects may be completed in one semester or students may take the course repeatedly in order to complete a longer investigation. Students are encouraged and facilitated in presentation of their findings at a campus, regional or national meeting, and may present their results at the annual Senior Seminar Symposium, usually in their senior year. The course may be repeated, although a maximum of three hours of biology credits may be earned. Prerequisite: Consent of the instructor. Fall, Spring.

**Business Administration (BUSI)**

**Undergraduate business courses contain a content-relevant ethics component.**

**2305 Business Statistics 3 hours**

Applies descriptive and inferential statistical techniques to business problems. Summarizing and describing data, discrete and continuous probability distributions, sampling methods and sampling distributions, hypothesis testing, interval estimation, correlation and regression analysis, and statistical quality control. Students pursuing an MSB major or minor must earn a grade of C or higher in this course. Prerequisite: COSC 1318 or 1313. Fall, Spring.

**2321 Business and Professional Speaking 3 hours**

Principles of oral and written communication. Practice in construction and delivery of various types of professional communication exchanges in the business world (e.g., speeches, interviews, meetings, negotiations, group discussions). Emphasis is placed on language skills, especially oral communication. Satisfies the general education requirement for oral communication. Fall, Spring.

**2328 Global Business Responsibility and Ethics 3 hours**

This course explores the social, corporate and ethical responsibilities faced by organizations in the competitive global business environment. It combines analysis of the underlying principles of business responsibility with case and scenario-based applications to provide a foundation for understanding and developing socially responsible business decision-making processes. This course *does not* fulfill the university's General Education Ethics requirement. Note: One week to 10 days travel

to a foreign country is required in some sections; an additional fee will be charged for the travel component. Students will be accompanied by the course instructor. Fall, Spring.

**3303 Legal Environment of Business 3 hours**

Provides an introduction to the legal environment. The course material will include ethical and global issues; address the influence of political, social, legal and regulatory, environmental, and technological issues on business; and address the impact of ethical and public policy concerns. The course content is designed for the student entering the workforce to understand that the government regulates most aspects of a firm's operations — for example, agency, torts, contracts, advertising, product safety, company agreements, employee relations and behavior toward competitors. The student will learn that understanding the legal rules affecting business is incomplete unless he or she understands law's general nature, its functions and how judges interpret it. A strong emphasis is placed on the ethical issues through relevant case studies. Prerequisite: BUSI 2328 (The Bill Munday School of Business students only); sophomore standing. Fall, Spring.

**3330 Business Communication 3 hours**

Provides students information about messages, media and, most important, people. Students learn about exchanges in effective communication among interacting businesspeople and agencies, with emphasis on constructing memos, letters, proposals and reports. Includes development of listening, speaking, team communication and leadership skills; exploring new communication technologies; and preparing for a job search (using the Internet as well as other secondary and primary sources). Prerequisites: ENGW 1301, ENGW 1302 and BUSI 2321 or COMM 1317. Fall, Spring.

**3385 Internship 3 hours**

Supervised experiential learning in a public or private, paid or unpaid, business or organization. This is an online class requiring students to complete a minimum of 120 hours at their internship site along with several reflective assignments that emphasize the development of communication skills, problem solving and ethical decision making. In addition, a comprehensive portfolio is developed that demonstrates the accomplishment of the internship goals and objectives. Students are responsible for locating their own internship and staying in contact with the instructor regarding assignments and paperwork. If a student has not contacted the instructor by the drop deadline, a grade of WA will be assigned. May be repeated for credit. Prerequisite: Junior or senior standing or permission of instructor. Fall, Spring.

**3199, 3399 Special Topics in Business Administration 1 or 3 hours**

Topical issues in Business. May be repeated when topics vary. Prerequisites vary depending on course topic.

**4349 Strategic Management 3 hours**

Students develop skills in identifying, analyzing and solving problems in situations representative of the real business world. Students take the perspective of top management of the total organization. Business research and case analyses. Prerequisites: Senior standing, completion of all core course requirements in The Bill Munday School of Business, or consent of course coordinator. Fall, Spring, Summer.

**4388 Strategic Business Analysis and Practice 3 hours**

This course examines business practice from the executive team's perspective. The student will learn to gather, analyze and

utilize data in making executive decisions. Prerequisite: Senior standing, completion of all core course requirements in The Bill Munday School of Business; co-requisite: BUSI 4349 or permission of instructor. Spring.

## Capstone Course (CAPS)

**4360 Capstone Course 3 hours**

An upper-division course in which students hone and showcase key skills they have been developing throughout their St. Edward's University careers, including online and field research, written and oral communication, and critical thinking and moral reasoning. The Capstone Course is grounded in the University Mission Statement and seeks to prepare students for the challenges they will face in the complex world of the 21st century. The Capstone project requires students to choose a current social controversy and policy solution; neutrally research the positions taken by stakeholders in that controversy; analyze the arguments and moral reasoning for those positions; propose a solution; perform a civic engagement activity that supports their solution or lends perspective to their research; and present their research and field experiences in both written and oral form. Faculty give students instruction in how to complete the semester-long Capstone project and provide individual guidance and feedback throughout the semester. Prerequisites: CULF 2321; completion of the ethics requirement; completion of ENGW 1302 or equivalent; and at least 75 hours. Fall, Spring, Summer (12-Week session only).

## Career Planning and Management (CPAM)

**1110 Topics in Career Planning and Management 1 hour**

Classes are designed to assist students in their preparation for career development and graduate or professional school. The Career Planning Independent Study section is tailored to meet individual needs. Students work on self-awareness, career exploration, job search and postbaccalaureate planning under the guidance of a Career and Professional Development instructor. Freshmen through senior students will develop strategies and skills for their specific stage of career development. Additional topics courses are also offered under this number. Students may repeat the course as the topics vary. Fall, Spring.

## Catholic Studies (CATH)

**1316 Introduction to Catholicism 3 hours**

This course will provide a survey and study of the major beliefs, traditions and practices of the Catholic faith. Making use of the documents of Vatican II and recent initiatives in contextual theology, the course will explore Catholic theological reflections on community, revelation, authority, the Trinity, Christ, salvation, spirituality, morality and the sacraments. The course will also examine various Catholic traditions as well as the relation of Catholicism to other Christian denominations and other religions.

**2322 Introduction to the New Testament 3 hours**

This course takes a multifaceted approach to the study of the gospels, the epistles and the Book of Revelation. The course will emphasize the methodology of historical criticism for the purpose of identifying the authors of each New Testament work, as well as their respective theologies and witness to Jesus Christ.



**2323 Justice, Peace and Liberation 3 hours**

This course examines the issues of justice and peace within the context of the Gospel of Jesus. Grounded in the teachings of the Israelite prophets and the New Testament teachings of Jesus, and given theological form in the writings of the great theologians such as Augustine and Thomas Aquinas, this course will examine current issues in light of modern Catholic social doctrine.

**2340 The Documents of Vatican II 3 hours**

The sixteen documents of the Second Vatican Council (1962-1965) are the most significant texts produced by the Catholic Church in the 20th century. Providing a charter for Catholicism today, the Council renewed the Church's understanding of liturgy, ecclesiology, revelation and religious liberty and the Church's relationship with the contemporary world. After an initial overview of historical events surrounding the Council, this course will focus on several conciliar documents as well as diverse interpretations of the Council's accomplishments.

**2399 Special Topics in Catholic Studies 3 hours**

This course will examine particular topics within the area of Catholic Studies. These topics will be general in nature and will not assume prior background. Possible topics may include Catholic Writers, Latino/a Catholicism and Catholic Art Through the Ages. Course may be repeated as topics vary.

**3305 Catholic Intellectual Heritage 3 hours**

The primary goal of this course is to introduce the student to some of the central questions that helped to shape Western Catholic civilization from antiquity through the present day and to help the student to analyze critically some of the answers which have been proposed throughout that time. Our exploration will cover four basic realms of inquiry: philosophy, theology, literature and art. Prerequisite: RELS 1101.

**3330 Faith and Reason 3 hours**

This course examines topics and ideas from both philosophical and theological perspectives. Investigating fundamental questions concerning the interplay of faith and reason, students will consider a variety of sources and perspectives on the relationship of faith and reason, including Thomas Aquinas, John Paul II and Alvin Plantinga, and be encouraged to develop the habit of critically evaluating ideas before reaching conclusions. Students will be encouraged to express and develop their understandings in light of their own experience and in dialogue with the course materials and each other. Prerequisite: RELS 1101.

**3338 Sacramental Theology 3 hours**

This course seeks to situate the sacramental life within the broader context of Christian faith. What is the Christian doing when she engages in worship? How is worship informed by ritual? What role does sacramental worship play in the Christian life? In exploring these and other questions we will consider multifaceted understandings of rituals and sacraments in contemporary theology, trace historical developments in the individual sacraments and reflect upon the ethical value of sacramental practice. Prerequisite: RELS 1101 and either RELS 1315 or RELS 1316, or permission of instructor.

**3399 Special Issues in Catholic Studies 3 hours**

This class will explore issues of particular interest within Catholic Studies. These topics will be focused in nature and will assume prior background. Possible topics include Catholicism and Film, The Church in the Modern World, and From Catacombs to Cathedrals: The History of Catholic

Art and Architecture. Course may be repeated as topics vary. Prerequisite: Six hours of Catholic Studies, or permission of instructor, RELS 1101. Specific topics may have additional specific prerequisites.

**4342 Senior Seminar 3 hours**

This course is designed to teach an upper-division student how to research and write an in-depth paper. Students will be responsible for reading the assigned material and discussing it in a seminar format. Focus can be on any aspect of the Catholic Tradition. Prerequisites: CATH 1303 and nine additional hours of CATH courses, RELS 1101.

**4399 Advanced Topics in Catholic Studies 3 hours**

This course will examine advanced topics within Catholic Studies. Prerequisite: Twelve hours of Catholic Studies, or permission of instructor. Specific topics may have additional specific prerequisites. Course may be repeated as topics vary. Prerequisite: RELS 1101.

**Chemistry (CHEM)****1305 Introduction to Chemistry 3 hours**

A survey of the concepts of chemistry. Course topics emphasize a conceptual understanding of chemical phenomena, chemical terminology and nomenclature, the classification of chemical reactions, and the mathematical solution of basic chemical problems. The course is designed for students needing a one-semester introductory chemistry course. Credit for CHEM 1305 may not be counted as part of the minimum hours for graduation by persons who have previously received credit for General Chemistry or higher-division chemistry courses. Fall, Spring.

**1140 General Chemistry Laboratory 1 hour**

Topics include qualitative analysis of cations and anions and laboratory applications of the principles presented in General Chemistry lecture. Prerequisite: CHEM 1340 or enrollment therein. Fall, Spring.

**1340 General Chemistry 3 hours**

An overview of selected chemical principles for natural science majors. Course topics include atomic structure, chemical bonding, thermochemistry, states of matter, chemical kinetics and classification of chemical reactions. Chemical nomenclature, mole calculations and stoichiometry will be reviewed at the beginning of the course. Prerequisites: One year of high school chemistry and two years of college-preparatory high school algebra. Fall, Spring.

**2000 Chemistry Seminar 0 hours**

A structured introduction to the programs of the Department of Chemistry and recent research in chemistry. Students are required to attend chemistry seminars by guest speakers and St. Edward's University faculty members. The class will also include discussion of research, internship and graduate study opportunities in the chemical sciences. Grade is based primarily on attendance. The course is required of Chemistry, Biochemistry, Forensic Chemistry and Environmental Chemistry majors during their semester of entry into the major or as soon as possible thereafter. Fall.

**2120 Analytical Chemistry Laboratory 1 hour**

Laboratory applications of the quantitative analysis methods presented in Analytical Chemistry lecture. Prerequisites: CHEM 1140 and CHEM 2320 or registration therein. Fall, Spring.

**2320 Analytical Chemistry 3 hours**

An introduction to chemical equilibrium, electrochemistry,

properties of solutions, acid-base theories, and the principles, methods and applications of quantitative analysis. Analytical techniques considered include volumetric, electroanalytical, spectroscopic and chromatographic methods. Prerequisites: CHEM 1140 and CHEM 1340. Fall, Spring.

### **2123 Organic Chemistry I Laboratory 1 hour**

Synthesis and identification of compounds studied in Organic Chemistry I lecture. Prerequisites: CHEM 1140, CHEM 2120 or registration therein, and CHEM 2323 or registration therein. Fall.

### **2323 Organic Chemistry I 3 hours**

Organic nomenclature, relationship between structure and reactivity, stereochemistry and isomerism, organic reaction mechanisms, aromaticity, and introduction to multistep synthesis, and the preparation and reactions of alkanes, alkenes, alkyl halides, alkynes, alcohols and aromatic compounds. Prerequisites: CHEM 2320 and CHEM 2120 or registration therein. Fall.

### **3105, 3205, 3305, 3405**

#### **Topics in Chemistry 1–4 hours**

A course that examines current topics from all areas of chemistry. The course may include laboratory work if appropriate to the topic. May be repeated for credit by investigation of different topics. Specific topic entered on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

### **3125 Organic Chemistry II Laboratory 1 hour**

Experiments include the use of organometallic reagents in organic synthesis, multistep synthesis techniques, a peptide synthesis, chromatographic separation techniques, and spectroscopic identification of organic compounds. Prerequisites: CHEM 2123 and CHEM 3325 or registration therein. Spring.

### **3325 Organic Chemistry II 3 hours**

Principles of designing multistep synthesis schemes. Chemistry of aldehydes, ketones, carboxylic acids and their derivatives, aromatic compounds, amines, amides, and proteins. Prerequisites: CHEM 2323 and CHEM 2123. Spring.

### **3332 Spectroscopic, Chromatographic and Electrochemical Methods 3 hours**

A survey of commonly used spectroscopic, chromatographic and electrochemical methods of analysis. Emphasis is placed on the fundamental principles on which each method is based, types of instrumentation and interpretation of analysis results. Prerequisite: CHEM 2320 and CHEM 2323. Spring, even-numbered years.

### **3334 Structural Inorganic Chemistry 3 hours**

A critical examination of modern concepts of the structure of matter, the nature of the chemical bond, and periodic properties of the elements and their compounds. Topics include applications of group theory, atomic structure, valence bond theory, molecular orbital theory, acid-base theories, stereochemistry, chemistry of the representative and transition elements, and ligand field theory. Prerequisites: CHEM 2320 and MATH 2314; or consent of instructor. Fall, odd-numbered years.

### **3336 Quantum Mechanics and Spectroscopy 3 hours**

A detailed mathematical treatment of quantum theory, atomic and molecular structure, and the theoretical basis for modern spectroscopy. This course with CHEM 4157 satisfies the computational skills general education requirement. Prerequisites: CHEM 2320 and MATH 2314; or consent of instructor. Fall, even-numbered years.

### **3337 Thermodynamics and Kinetics 3 hours**

A rigorous consideration of thermodynamics, statistical

mechanics and chemical kinetics. Prerequisites: CHEM 2320 and MATH 2314; or consent of instructor. Spring, odd-numbered years.

### **3242 Chemical Instrumentation Laboratory 2 hours**

A laboratory introduction to the common forms of spectroscopic and chromatographic chemical instrumentation. Laboratory exercises attempt to provide hands-on experience with various forms of chemical instrumentation as well as means of data manipulation. Practice is provided in the use of spreadsheets, graphical analysis and specialized computational software. Prerequisites: CHEM 2120 and CHEM 2320. Fall, Spring.

### **4320 Advanced Organic Chemistry 3 hours**

Intensive study of methods of synthesis, reaction mechanisms, molecular structure and bonding in organic chemistry. Recent research results from organic chemistry literature will be examined. Prerequisite: CHEM 3325. Offered on sufficient demand.

### **4325 Chemical Applications of Group Theory 3 hours**

Topics include Huckel molecular orbital theory, mathematical basis of group theory, and applications of group theory to quantum mechanics and spectroscopy. Prerequisite: CHEM 3334 or CHEM 3337. Offered on sufficient demand.

### **4331 Forensic Chemistry 3 hours**

Major facets of forensic analytical chemistry will be covered, including drug analysis, forensic toxicology, trace analysis, and arson and DNA typing. Analytical methods will be reviewed, including HPLC, TLC and GC-MS. The use of Bayesian probability in the evaluation of guilt and innocence will also be covered. Statistical techniques will be introduced as a means of establishing the link between data quality and evidence admissibility. Real-world case studies will be used to illustrate the application of these principles. Prerequisites: CHEM 2320 and CHEM 2323. Spring, even-numbered years.

### **4332 Forensic Chemistry Laboratory 2 hours**

A case study involving a fictional crime scene analysis is introduced. Successful completion will involve four fundamental forensic analyses: (i) serological and DNA analysis, (ii) trace analysis of fragments, (iii) solid-phase extraction followed by a full toxicological screen, and (iv) forensic drug analysis. Prerequisites: CHEM 2320, CHEM 2120, CHEM 2323, CHEM 2123 and CHEM 3242. Spring, even-numbered years.

### **4242 Advanced Synthesis and Structural Determination Laboratory 2 hours**

Investigation of multistep synthesis procedures for the preparation of inorganic and organic-metallic compounds. In addition, chemical and instrumental techniques are applied to the measurement of thermodynamic values, reaction rates and determination of structure. Prerequisite: CHEM 3242. Fall.

### **4343 Biochemistry I 3 hours**

Survey of the fundamentals of biochemistry. Topics include structure of proteins, lipids and carbohydrates, catalysis, kinetics, bioenergetics and metabolism, and information pathways. Emphasis will be on providing the student with an overview of the field, through in-depth coverage of protein structure and enzyme catalysis. Prerequisites: CHEM 2320 and CHEM 2323. Fall.

### **4344 Biochemistry II 3 hours**

Review of major topics from CHEM 4343 providing a more rigorous treatment of the quantitative fields such as enzyme kinetics. Topics such as cell structure, biosynthesis and membrane transport will be covered in much greater depth. Additional topics include protein synthesis, immunobiology and

neurotransmission. Prerequisite: CHEM 4343. Spring.

#### **4245 Biochemistry Laboratory 2 hours**

The purpose of this laboratory course is to provide the student with a modern experience in basic and advanced techniques of experimental biochemistry. Areas include spectroscopic methods, electrophoretic techniques, chromatographic separations, isolation and characterization of biological materials, enzymatic catalysis, peptide isolation and characterization, and nucleic acid sequencing. Instruction will also be given in the use of computer modeling for visualization of macromolecular structures and for the study of biochemical processes. Prerequisites: CHEM 2320, CHEM 3242 and CHEM 4344 or registration therein. Spring.

#### **4146, 4246, 4346, 4446**

#### **Independent Study 1–4 hours**

Supervised investigation of advanced chemistry topics utilizing the pertinent literature. Project is culminated with a written and oral presentation of results. The course may include laboratory work if appropriate to topic. Specific topic entered on transcript. Prerequisite: varies with topic. Offered on sufficient demand.

#### **4150 Internship in Chemistry 1 hour**

An independently planned internship in a cooperating industrial, medical or research laboratory. Students will be required to work regular shifts, observing and participating in the actual daily routine. A log is to be kept of each day's activity. Details are to be worked out with the faculty supervisor and the cooperating laboratory. Requires a minimum of 60 hours of working time per semester hour of credit. Prerequisites: Junior or senior standing and 24 hours of Chemistry. Offered only with prior approval of faculty supervisor and cooperating laboratory. Fall, Spring, Summer.

#### **4151 Internship in Forensic Chemistry 1 hour**

A planned opportunity to gain outside real-world experience working in such situations as with medical examiners, forensic odontologists, toxicology labs or trace-evidence laboratories. A log is to be kept of each day's activities. Prerequisites: Junior or senior standing and 24 hours of Chemistry. Offered only with prior approval of faculty supervisor and cooperating laboratory.

#### **4153 Internship in Environmental Chemistry 1 hour**

An independently planned internship in a cooperating environmental laboratory or environmental agency. Students will be required to work regular shifts, observing and participating in the daily work of the participating site. Details of the internship will be determined by the faculty supervisor and cooperating internship site in consultation with the student. Requires a minimum of 60 hours of working time per semester hour of credit. Prerequisites: Junior or senior standing and 24 hours of Chemistry. Offered only with prior approval of faculty supervisor and cooperating internship site. Fall, Spring, Summer.

#### **4157 Research 1 hour**

Students will learn about research methodology, how to search relevant literature and databases within their field of study, how to critically examine papers in the chemical research literature, and how to develop a research proposal. Students will, with the guidance of a faculty member, select a research question crafting a proposal or summary of the question and will present this proposal in written or oral form. Students will conduct an independent investigation of their research question under the tutelage of a faculty member and will be encouraged to present their findings at a scientific meeting. All students will present a seminar in the senior year based on results obtained during the student's investigation of their research question. May be repeated for credit. Prerequisites: CHEM 2000

and CHEM 2320. Fall, Spring, Summer.

## **Chinese (CHIN)**

### **1311 Chinese I (Introductory Level) 3 hours**

A beginning course stressing comprehension, speaking, reading and writing skills. Extensive listening outside of class is an integral part of the course. Fall.

### **1312 Chinese II (Introductory Level) 3 hours**

A continuation of the development of fundamental skills stressed in Chinese I, further development of vocabulary and grammatical structures needed for basic competence. Extensive listening outside of class is an integral part of the course.

Prerequisite: CHIN 1311. Spring.

### **2311 Chinese III (Intermediate Level) 3 hours**

The semester course begins with a short review of basic grammatical patterns taught at the introductory level. There is continued development of vocabulary, listening comprehension, reading and writing skills. Oral language activities stress conversation skills needed for ordinary interactions with Chinese speakers. Prerequisite: CHIN 1312. Fall.

### **2312 Chinese IV (Intermediate Level) 3 hours**

Continuation of the development of intermediate-level skills in listening comprehension, speaking, reading and writing stressed in Chinese 2311. Prerequisite: CHIN 2311. Spring.

## **Communication (COMM)**

### **1306 Introduction to Communication 3 hours**

This course serves as the prelude to the Communication major. Students are introduced to definitions, concepts and contexts crucial to the discipline of communication as well as to the origins and development of the pedagogical study of communication. Course includes visits from faculty and/or guests to discuss their specific areas of study (e.g., organizational, cultural, media, persuasive) and serves to guide new majors into the core curriculum and various tracks. Prerequisite: Freshman or sophomore standing *only*, or permission of instructor. Fall, Spring.

### **1317 Presentational Speaking 3 hours**

The course is an introduction to public speaking in both large and small group situations. It provides practice in a variety of speech styles and purposes, with emphasis on the more commonly used speech forms. Fall, Spring, Summer.

### **2302 Communication Theory 3 hours**

This course is a survey of the major theoretical approaches, concepts and terms used in communication studies. Theories covered in the course provide a framework for more advanced classes in communication. Course objectives are accomplished through text readings, lectures, discussions, group presentations, research and written analyses. Fall, Spring.

### **2303 Introduction to Performance Ethnography in Communication 3 hours**

This course is an undergraduate-level introduction to performance-oriented perspectives on the study of social life. Performance is a unique, embodied and vigorously contested form of public communication that gives us deep insights into our lives and the world around us. This course serves as an introduction to understanding how performance functions not only on "stage," but also in societies, cultures and our everyday lives.

### **2305 Visual Communication 3 hours**

As our society continues to become an increasingly visual one, it is imperative that we begin to investigate how visual imagery



affects us. This course explores major theoretical and practical approaches to the creation and analysis of visual images. Students will develop their visual literacy skills by learning to evaluate and construct visual arguments, with an emphasis on the ethical and social concerns of image construction. Students will learn to design professional-looking images created with the latest image-editing and graphic-layout software. This course is taught in a Macintosh environment.

**2307 Media Communication 3 hours**

With an emphasis on visual communication, the course explores various theories, historical development and current media practices and their effect on the lives of individuals and on society. Includes studies of objectivity, persuasion, censorship and legal problems. Prerequisite: COMM 1306. Fall, Spring.

**2312 Interpersonal Communication 3 hours**

This course is an introduction to the theory and practice of interpersonal communication. Students will study notions of self, other and relationships by focusing on how interpersonal communication intersects the development of these constructs. Students will use theory to assess communication in family, personal, romantic and social relationships in order to improve the communication in such relationships. Fall, Spring.

**2320 Media and Professional Presentations 3 hours**

Students design and deliver presentations as they study audio/visual communication theory, audience identification, appropriate media selection, presentation settings and different speaking styles. Students learn effective use of multimedia and computer-aided presentations.

**2321 Gender Communication 3 hours**

Students in this course will explore the interactive relationship between gender and communication in three major areas: (1) the creation and perpetuation of gender roles in families, schools, media and society in general; (2) the way these socially created gender differences affect our feelings of personal success, satisfaction and self-esteem; and (3) specific social issues highlighting the transition of gender roles in our culture. Through an understanding of how gender roles are formed and maintained in our society, students will also consider how they can act to influence gender expectations.

**2322 Nonverbal Communication 3 hours**

Students in this course will study nonverbal behaviors and how they repeat, underscore, substitute for and regulate verbal communication in the communication environment and between communicators.

**2326 Persuasion 3 hours**

In this course, students will study and analyze the forms and strategies of persuasive discourse from both rhetorical and psychological perspectives. The course will focus on political persuasion and persuasion in the media.

**2327 Organizational Communication 3 hours**

This course will analyze the role of communication in the context of modern global, complex organizations (government, business, industry, education, nonprofits, etc.). In addition to a review of theory, methodology and application of communication research in organizational settings, the course will focus on communication networks, styles and culture in organizations. The role of communication professionals in organizational structures will be emphasized.

**2357 Active Listening 3 hours**

This course provides a comprehensive approach to listening competence. Students will learn to improve their listening skills

through exposure to a wide range of listening materials, such as instructional videos, taped conversations, class calls, coaching calls, and practice application activities and through continuous self-monitoring. Students should expect to demonstrate a higher level of listening competency inside the classroom, as well as in the workplace and in social situations.

**2359 Video Production and Editing 3 hours**

This is an introductory course for all types of students, providing a strong foundation for visual storytelling, using video production to tell those stories, and giving the basics of Final Cut Pro editing.

**2399 Special Topics in Communication 3 hours**

This course will be offered on occasion to introduce new topics or to allow students to explore special topics or special projects within the field of communication. May be repeated for credit when topic varies.

**3301 Communication Research Methods 3 hours**

This course introduces students to the designs, uses and limitations of communication research. Traditional statistical methods (e.g., correlations, t-tests, ANOVA) are covered, as are more recent, qualitative approaches (e.g., narrative, self-reflexive, autobiography) in order to provide students with a well-rounded insight into the various methodological perspectives that currently govern research in the field of communication. Students will collect and analyze data for a final research project. Prerequisites: COMM 2302 and junior or senior standing. Fall, Spring.

**3304 Rhetoric & Religion 3 hours**

This course considers the intersection of two of humanity's most powerful (and unique) capacities — the use of language to assign value and meaning to life and the human yearning for something greater than ourselves. Religious rhetoric has been used in all kinds of ways throughout human history — sometimes for good and sometimes for ill. Each time this course is offered we explore some interesting, relevant aspect of the impact of religious rhetoric on human life.

**3308 Health Communication 3 hours**

The focus of this course is on the study of communication as it relates to health professionals and health education, including the study of provider-client interaction and the role of communication in provider diagnosis, treatment, social support, prevention and public health campaigns.

**3309 Social Media for Public Relations 3 hours**

In this course, we will explore emerging social media technologies and study their application in contemporary PR practice. We will not only examine these technologies from a theoretical perspective by reading scholarly research and writings from PR professionals, but we will also learn how to use and author content for such online PR tools ourselves. We will study how to use emerging technologies strategically to monitor conversations on the Internet, engage online communities, identify influencers, establish thought leadership, optimize content for search engines, and measure performance across social media platforms. This course is taught in a Macintosh environment.

**3330 Media Standards and Practices 3 hours**

This course will take students through current and engaging case studies in media as they investigate topics and issues in broadcasting, advertising, public relations and journalism that are relevant in today's society. Students will gain insight into real-world situations as well as understand how professionals handle ethical dilemmas in contemporary media, both



successfully and unsuccessfully. Does not fulfill the general education requirement for ethics. Prerequisite: COMM 2307.

### **3331 Contemporary Theories of Rhetoric 3 hours**

This course is an introduction to the basic concepts of rhetorical communication proposed by rhetorical theorists from classical through contemporary times. We will focus on contemporary theorists, including Foucault, Habermas and Burke, and discuss feminist, Afrocentric and Asian challenges to the Western tradition of rhetoric. Because theories of rhetoric reflect our culture, issues concerning contemporary American culture and society will be central to our discussion. Prerequisites: COMM 1306 and junior or senior standing, or permission of instructor.

### **3332 Principles of Advertising 3 hours**

Advertising is one of the most pervasive aspects of our lives: Ads are everywhere. As communication scholar Leo Bogart noted, "Advertising is one of modern society's most visible aspects . . . and its values are interwoven with the whole fabric of society." This course will survey the background and evolution of advertising, the structure of the advertising industry, the planning of ad campaigns, the construction of advertising messages, and the ethical considerations of advertising. Prerequisite: Sophomore standing.

### **3333 Rhetorical Criticism 3 hours**

This course is designed to acquaint students with rhetorical criticism as a method for answering research questions in communication. Students will be provided with opportunities to apply critical methods in the writing of essays analyzing various kinds of data. Prerequisite: Junior or senior standing. Fall, Spring.

### **3336 Argumentation and Advocacy 3 hours**

This course will be an introduction to basic concepts of argumentation theory, such as problems of evidence or inference, induction, deduction, logical fallacies in arguments, persuasive campaigns, arguments from authority, rhetorical terms, and audience. Students will develop the ability to analyze as well as construct arguments. Prerequisite: Junior or senior standing.

### **3337 Principles of Public Relations 3 hours**

In this course students will examine the definitions and history of public relations; its evolution from press agency to top-level management function; the relationship between PR practitioner and the media; the differences between public relations, advertising and marketing; the myths about what public relations people do and don't do; and the importance of strategic planning, research and measurement techniques. Prerequisites: COMM 1306 and sophomore standing.

### **3339 Group Communication 3 hours**

This course will demonstrate communication processes in small group situations as students actively participate in task-oriented, problem-solving groups. As part of the course, students will work with other group members to solve "problems" identified by a local nonprofit organization. Through a service-learning activity, students will understand group development, understand the role communication plays in that development and demonstrate the communication skills needed to thrive in a group setting. Prerequisite: Junior or senior standing or permission of instructor.

### **3340 Political Communication 3 hours**

Politicians teach, preach and activate. This course takes their talk seriously, studying speeches, debates and the use of mediated communication as they enact the process of American

democracy. Study will be guided by two questions: Are political campaigns good for us? And, Why is everything we think we know about politics wrong? Through analysis of both presidential and local political campaigns, as well as comparative analysis with campaigns in other countries, students will develop insights into the role political communication plays in shaping their lives as citizens in a democracy.

### **3344 Intercultural Communication 3 hours**

The dynamic relationship between communication and culture will be the area of study. Students will survey intercultural, international, cross-cultural, multicultural and cultural studies approaches in order to advance awareness of the ways in which culture shapes how individuals and groups communicate and how that communication also sustains, expresses and affects culture. Distinct patterns and styles of communication as well as shared values and goals within, between, among and across national, ethnic, racial and social groups will be examined. Prerequisite: Sophomore standing or permission of instructor.

### **3345 Native American and Chicana/o Communication 3 hours**

Students will make a systematic inquiry about the communicative contributions made by America's indigenous peoples through primary and secondary reading of speeches, treaties, poetry, memoirs, and journal and text articles. In particular, this course will survey the role of language, discourse and media in past and contemporary historical, political and social issues, including citizenship, and human, civil, religious, labor and land rights. In addition, students will be introduced to other mediums of communication, such as pow-wow songs, corridos, performance art, film, videos, documentaries and oral history. Students will have opportunities to participate in Austin's Native-American and Chicana/o events. Prerequisite: COMM 2302 or permission of instructor.

### **3346 Family Communication 3 hours**

In this course, students will examine communication structures, systems, dynamics and patterns particular to families. Students will be encouraged to examine family structures in order to see how internalized family patterns impact their relational lives. Prerequisite: Junior or senior standing or permission of instructor.

### **3360 Advertising Creative Strategy 3 hours**

This course is designed to give students an understanding of using creativity in the development of effective advertising messages. Students will learn how to plan and execute advertising messages in a variety of media, with focus on strategy, copywriting, layout and design. Prerequisite: COMM 3332 and sophomore standing.

### **3362 Mothers and Daughters 3 hours**

In this course, students will study the complexities of the mother-daughter relationship from a variety of theoretical perspectives that intersect interpersonal communication, family communication and women's studies. Relying on (but not limited to) dialectical theory and narrative theory, students will explore what has been called the mother of all relationships through scholarly research, films, novels and self-reflection. In this course, we confront such fundamental questions as who we are and who we want to be, and we investigate how the ways in which we relate to others are inextricably intertwined with our identities as daughters/mothers.

### **4310 Communication and Popular Culture 3 hours**

This course examines popular culture and the complex history, debates and controversies surrounding it. Students will learn

critical, cultural and rhetorical approaches to analyzing popular-culture artifacts, texts and performances and will have the opportunity to conduct an extensive analysis of a popular-culture event occurring in the Austin community. Prerequisite: Junior or senior standing or permission of instructor.

**4315 Film Theory and Analysis 3 hours**

This course will survey a diverse body of films, from Hollywood blockbusters to art-house flicks, independent cinema to experimental and foreign films. Students will learn to explore films through the major film theories of the past century, including auteur theory, genre, spectatorship, ideological and gender criticism, visual and audio editing, and narrative style.

**4316 Leadership 3 hours**

This course focuses on the examination of leadership theories, models, principles, styles and functions. Students will examine topics such as the leader-mentor relationship, motivation, teamwork, power, trust, persuasion, facilitation, negotiation, change and ethics.

**4319 Rhetoric and Cultural Studies 3 hours**

The interdisciplinary and critical initiatives of cultural studies are introduced in this course. Students will examine social and political intersections among everyday discursive practices, popular culture, social institutions and media, and also how determining factors such as race, class, gender, sexuality, age and ability contribute to the ways in which culture is produced, reproduced, negotiated and changed. Prerequisite: Junior or senior standing or permission of instructor.

**4323 Feminist Perspectives on Social Change 3 hours**

Students will examine current work by feminist theorists on issues related to gender, feminism, rhetoric and communication. Students gain interdisciplinary study in feminist perspectives by engaging in issues such as audience, co-cultures, power, race and feminist popular culture.

**4324 Documentary Production 3 hours**

Students will write, shoot, edit and produce a short-form documentary for television on a relevant social issue. Prerequisite: PHCO 3331 or JOUR 2328 or permission of instructor.

**4326 Public Relations for Nonprofit Organizations 3 hours**

The process and the practice of public relations will be explored through the review and analysis of actual case studies. Students will also learn the public relations process by planning and preparing their own projects for an Austin client or organization. Prerequisites: COMM 3337 and junior or senior standing, or permission of instructor.

**4334 Advertising Campaigns 3 hours**

In this course, theory, strategy and techniques are applied to advertising campaigns. Advanced projects in advertising and corporate communication are completed through analyzing, planning, financing and executing an advertising campaign. Prerequisites: COMM 3360 and junior or senior standing, or permission of instructor.

**4338 Native American and Chicana/o Film 3 hours**

This course will investigate the historic portrayal and (mis)representation of Native American and Chicanas/os in film along with the communication strategies used by Native American and Chicana/o filmmakers for self-empowerment. Students will gain an appreciation of alternative approaches to film narrative, genres, visual communication, representation, production, etc. Students will have the opportunity to produce a short film, screenplay, storyboard or critique. Prerequisite:

Junior or senior standing or permission of instructor.

**4350 Internship for the Communication Major 3 hours**

The internship will be a real-world experience for the Communication major in which the student will work in a communication setting that involves the practical use of the theories and skills that have been introduced in the previous courses. This work may be on or off campus and will involve the opportunity for the student to practice the skills and knowledge involved in a communication career. May be repeated for credit. Prerequisites: Sophomore, junior or senior standing and consent of instructor.

**4352 Special Topics in Public Relations and Advertising 3 hours**

This upper-division course will be offered on occasion to introduce new and/or timely topics or to allow students to explore familiar topics in public relations and advertising in greater depth. May be repeated for credit when topic varies. Prerequisite: Junior or senior standing or permission of instructor.

**4353 Special Topics in Interpersonal and Organizational Communication 3 hours**

This upper-division course will be offered on occasion to introduce new and/or timely topics or to allow students to explore familiar topics in interpersonal and organizational communication in greater depth. May be repeated for credit when topic varies. Prerequisite: Junior or senior standing or permission of instructor.

**4354 Special Topics in Rhetoric and Cultural Communication 3 hours**

This upper-division course will be offered on occasion to introduce new and/or timely topics or to allow students to explore familiar topics in rhetoric and cultural communication in greater depth. May be repeated for credit when topic varies. Prerequisite: Junior or senior standing or permission of instructor.

**4355 Special Topics in Media Arts and Broadcast Journalism 3 hours**

This upper-division course will be offered on occasion to introduce new and/or timely topics or to allow students to explore familiar topics in media arts and broadcast/online journalism in greater depth. May be repeated for credit when topic varies. Prerequisite: Junior or senior standing or permission of instructor.

**4364 Conflict Resolution 3 hours**

This course will present theories of conflict and conflict resolution with a specific emphasis on interpersonal, group and organizational conflict. In addition to a general understanding of conflict resolution, the course will examine a variety of techniques for dealing with conflict and describe how to select appropriate techniques in a variety of settings. Prerequisite: Junior standing.

**4366 Documentary History and Theory 3 hours**

This class focuses on conceptualization, screenwriting, and pre- and post-production. Prerequisite: Junior or senior standing or permission of instructor.

**4399 Special Topics in Communication 3 hours**

This upper-division course will be offered on occasion to introduce new topics or to allow students to explore, in greater depth, topics or special projects within the field of communication that are relevant to students in all specializations. May be repeated for credit when topic varies. Prerequisite: Junior or senior standing or permission of instructor.

## Comparative Languages, Literatures and Cultures (CLLC)

### 3199, 3299, 3399 Special Topics in Comparative Languages, Literatures and Cultures 1–3 hours

This course is intended to provide students majoring in French and Spanish with an opportunity to focus on a comparative topic in modern languages, literatures and cultures not covered in the traditional curriculum. Specific topics vary depending upon the faculty area of expertise. This course is open to all students majoring or minoring in French or Spanish, or minoring in German, or with approval of the instructor. This course may be repeated for credit when topics vary.

## Computer Science (COSC)

### 1301 Introduction to Problem Solving and Computing 3 hours

This course emphasizes the use of the computer as a tool for problem solving and quantitative reasoning in a variety of disciplines. Topics include a survey of Internet resources and tools, including browsers, searching, and web page design and construction. Network basics, personal online safety and social issues involved with the use and misuse of computers along with an introduction to web-oriented programming also are included. Students will be assigned problems in each of the content areas studied. This course is intended to fulfill the computer/computational skills requirement of the general education curriculum. Credit for COSC 1301 may not be counted as part of the minimum hours for graduation for persons who have previously received credit for COSC 1313 or above. Fall, Spring.

### 1313 Introduction to Information Systems 3 hours

This course covers the history, development and application of information-processing systems, including an overview of the need for and roles of computer information systems in business. Emphasis is on computer requirements in organizations, hardware requirements, systems development and software implementation. Excel and Access will be used to develop student projects. Best practices in evaluating small and large commercial systems will introduce students to decision-support software and expert-system software. Financial applications studied will include financial accounting, personnel systems, cash flow analysis, budgeting and inventory management systems. Basic computer programming logic, network fundamentals and systems analysis skills will be developed throughout the course. Prerequisite or concurrent enrollment: MATH 1314 or above. Fall, Spring.

### 1318 Quantitative Applications Software for PCs 3 hours

A rigorous introduction to problem solving with a personal computer through the presentation of problems that lend themselves to solution by quantitative applications software products such as spreadsheets. Business problems considered include the time value of money, internal rate of return, forecasting and ledger accounting. Science problems considered include statistical analysis of multiple-sample experimental results and biological population studies. Software tools such as spreadsheets serve as the foundation of the problem solutions. Prerequisite: MATH 1314 or above. Credit for COSC 1318 may not be counted as part of the minimum hours for graduation for persons who have previously received credit for COSC 1313 or above. Fall, Spring.

### 1123 Computing Concepts I Laboratory 1 hour

Laboratory experience including program creation, editing, debugging and testing in Python. Students will use Python in a multiuser environment. Students will be expected to master use of an editor and debugger as well as programming skills including problem analysis, basic program design, coding, testing and debugging. Prerequisite or concurrent enrollment: COSC 1323. Fall, Spring.

### 1323 Computing Sciences Concepts I 3 hours

This course introduces students to fundamental aspects of the field of computing, focusing on problem-solving and software design concepts and their realizations as computer programs using Python. Topics include procedural and data abstraction, control structures, iteration, recursion, data representation, arrays, and user-defined types. Introduction to Python for the purpose of gaining mastery of these principles will be done in a closely coordinated laboratory experience. Students enrolled in COSC 1323 MUST also enroll in COSC 1123. Prerequisite: MATH 1314 or concurrent enrollment; or MATH 2312 or above. Fall, Spring.

### 2125 Computing Sciences Concepts II Laboratory 1 hour

Laboratory experience including program creation, modification, debugging and testing in Java. Objective is to have students use a high-level language compiler to apply concepts and techniques used in various abstract data types corresponding to COSC 2325 course concepts. Students are expected to complete programming exercises that apply the concepts of abstract data types, sorting, searching, recursion and object-oriented programming techniques. Students will become competent in using a graphical debugger as well as a text editor and a Java compiler. Prerequisites: COSC 2325 or concurrent registration, and COSC 1323 and COSC 1123. Fall, Spring.

### 2325 Computing Sciences Concepts II 3 hours

This course moves students into the domain of software design, introducing principles that are necessary for solving large problems. With an emphasis on the software design process, topics include abstract data types, specifications, complexity analysis and file organization. Basic data structures (queues, stacks, trees, linked lists) and transformations (sorting and searching) are introduced as fundamental tools that are used to aid this process. Time and space analysis and verification are also included. Applications of the above-mentioned topics emphasizing software design will be developed in Java. Students enrolled in COSC 2325 must also enroll in COSC 2125. Prerequisites: COSC 1323 and COSC 1123. Fall, Spring.

### 2328 Web Programming 3 hours

An introduction to programming concepts used on the world wide web. Concepts include form processing scripts, structuring data, basic database connectivity, and developing appropriate structure and style for the world wide web. HTTP requests and responses, authentication, authorization and session management will be explored. Dynamic html, DOM and cascading style sheets will be incorporated into the course. Programming will occur in one or more appropriate scripting languages. Prerequisite: COSC 1323. Fall.

### 2329 Component-Based Programming 3 hours

Students will learn how to use and produce software components, specification, design, implementation, and verification. Topics include design by contract, unit testing, interface design, and best practices. Prerequisite: COSC 2325 and COSC 2125. Spring, Fall.



### 2331 Introduction to Computer Organization and Architecture 3 hours

An introduction to instruction set architectures (ISA), emphasizing central processor organization and operations. Specific topics include integer and floating-point representations, character codes, register architectures, ISA-level addressing modes, instruction execution cycle, interrupt cycles, operating modes, subroutine call/return and I/O services, digital logic gates and basic Boolean algebra, sequential and combinational circuits, Karnaugh maps for circuit minimization, caching, pipelining, I/O devices, buses, and bus protocols. Programs will be assigned in a representative assembly language to explore these areas. Prerequisites: COSC 1323 and COSC 1123. Spring.

### 3312 Artificial Intelligence Programming Topics 3 hours

Knowledge-based decision modules are often included in modern software. The fundamental concepts of these artificial intelligence systems are covered using a suitable language such as LISP or Prolog. Prerequisite: COSC 2325. Offered on sufficient demand.

### 3314 Object-Oriented Design 3 hours

An introduction to the object-oriented programming (OOP) paradigm and an object-oriented language. Problem-solving methodology and programming concepts and techniques are covered using an object-oriented language such as Java or Smalltalk. Prerequisite: COSC 2325. Offered on sufficient demand.

### 3315 Systems Administration and Integration 3 hours

Introduction to the technology and management methods needed to administer a computer system. Students will be introduced to the various tasks expected of a computer system administrator. Students will modify system configurations to meet new requirements and install new software on existing systems. They will also be exposed to the tools available for monitoring system resource utilization. Scripting and its use to automate routine tasks will be addressed. Configuration of a system for connection to the Internet and development of web pages will be discussed. Concerns arising from integrating dissimilar machines (Unix, Windows, Mac OS, etc.) into a system will be considered. Challenge credit may not be earned for this class. Prerequisite: COSC 2325. Offered on sufficient demand.

### 3325 Topics in Applied Programming 3 hours

Selected topics are offered using various programming languages. Advanced programming concepts are applied to science, business, engineering or mathematics problems. Challenge credit may not be earned for this class. Special topic will appear on transcript. Prerequisite: COSC 2325. Offered on sufficient demand.

### 3326 Mobile Programming 3 hours

This course introduces students to problems in the mobile computing arena including design and development of applications deployed on mobile devices. Topics include memory and data management, economy of computation, user interface design, network techniques, and implementation and testing of applications on mobile platforms. Prerequisite: COSC 2325 and COSC 2125. Fall.

### 3327 Algorithms and Data Structures 3 hours

An examination of data structures and algorithm design and analysis. Topics include searching, pattern matching, advanced

sorting, proof of correctness, performance analysis of algorithms, advanced recursion, trees, graphs and hashing techniques. Prerequisites: COSC 2325 or concurrent enrollment. Fall, Spring.

### 3332 Computer Architecture and Organization 3 hours

A continuation of COSC 2331 that explores computer architectures and organization in more depth and breadth. Specific topics include milestones in the history of computer design, Boolean algebra, digital logic gates, combinational circuits, Karnaugh maps for circuit minimization, latches, flip-flops, memory types and organization, caching, pipelining, micro-architectures, parallel architectures, I/O devices, buses, and bus protocols. Throughout the course, physical and performance considerations will be stressed along with the hardware's interaction with operating systems. Prerequisite: COSC 2331. Offered on sufficient demand.

### 3335 Data Storage Systems 3 hours

Study of the role of data storage and file organization in computer systems. Topics include creation and querying of data, data representation, file formats, using regular expressions to manage data within files, I/O architecture, storage design and implementation (magnetic disk, optical disk, magnetic tape, RAID), data security (including privacy, archival, backup and data recovery), and the importance of data storage in corporations to satisfy the accounting and reporting needs of management, transaction processors and system administrators. Programs will be assigned in an appropriate scripting language to explore these areas. Same as ACCT 3335. Prerequisite: COSC 2325 or COSC 2331. Fall.

### 3336 Programming Languages 3 hours

Study of the organization of programming languages. Topics include language definition structure, data types and structures, control structures and data flow, run-time considerations, interpretative languages, functional languages, and syntax and semantic analysis. Prerequisite: COSC 2325. Fall.

### 3337 Database Theory 3 hours

Topics include introduction to database concepts, data models, data normalization, data description languages, query facilities, file organization, index organization, file security, and data integrity and reliability. Same as ACCT 3337. Prerequisite: COSC 2325. Spring.

### 3338 Numerical and Scientific Methods 3 hours

A survey of standard techniques used to solve numerical and other science-based problems. Topics include roots of equations, systems of linear equations, curve fitting, numerical integration and differentiation, error analysis, number representation, and data visualization. Problems will be solved using programs written in appropriate languages and operating systems. Same as BINF 3338 and MATH 3338. Prerequisites: MATH 2314 and COSC 1323. Offered on sufficient demand.

### 3339 Software Engineering I 3 hours

An introduction to the theory, methods and tools of software engineering and system analysis. Each student will take part in the specification, design, implementation, testing, evolution, maintenance and management of a large-scale team project. Students will be exposed to best practices and use industry-standard tools. Topics include software development methodologies, object-oriented design, software testing, client management and technical communication. Prerequisite: COSC 3327. Spring.



**3341 Optimization Techniques 3 hours**

A survey of selected techniques used in determining optimal solutions to mathematical problems encountered in logistics, planning and management settings. Topics include linear programming via the simplex method, network models, discrete and continuous system modeling and simulation, Monte Carlo techniques, probability, and statistics. Appropriate linear programming and simulation software will be used on appropriate platforms. Same as MATH 3341. Prerequisites: COSC 1323, MATH 2313, and MATH 3320 or 3334. Offered on sufficient demand.

**3344 Computer Networks 3 hours**

An introduction to fundamental concepts in the design and implementation of computer communication networks and their protocols and applications. Topics include overview of network architectures, applications, network-programming interfaces, transport, congestion, routing, data link protocols, addressing and network security. Prerequisite: COSC 2325. Spring, even-numbered years.

**4331 Computer Graphics 3 hours**

Introduction to two- and three-dimensional generative computer graphics, display devices, data structures, transformations, windows, clipping, perspective, depth and hidden-line removal. Laboratory problems using available graphics devices will be assigned. Prerequisite: COSC 3327; co-requisite: MATH 3305. Offered on sufficient demand.

**4333 Operating Systems 3 hours**

Study of the basic components and functions of an operating system, including process scheduling, interrupts and interrupt handling, buffering, interprocess communication (IPC), timesharing, memory management, swapping, paging, virtual memory, device management, file systems, system calls, multiprocessing and spooling. A UNIX-like operating system is examined. Programs may be assigned to reinforce concepts presented in this course. Prerequisites: COSC 3327. Spring, odd-numbered years.

**4334 Modeling and Simulation 3 hours**

An overview of modeling and simulation techniques. Topics include discrete and continuous system modeling, queuing models, probability and statistics in simulation, Monte Carlo simulations, design and analysis of simulation experiments, and use of available simulation languages. Same as MATH 4334. Prerequisites: COSC 1323 and MATH 3320. Offered on sufficient demand.

**4342 Compiler Theory and Automata 3 hours**

Topics include elementary language theory, formal grammars, finite state machines, push-down automata, scanning, parsing, intermediate code representation, symbol tables, run-time structures, code generation and compiler construction tools. Prerequisite: COSC 3327 or COSC 3335. Offered on sufficient demand.

**4344 Advanced Topics 3 hours**

Course topics will vary. Topics are selected based on the special interests and needs of upper-division Computer Science students and faculty expertise. May be repeated for credit with different topics. Special topic will appear on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

**4345 Software Engineering II 3 hours**

An in-depth study of the theory, methods and tools of software engineering and system analysis. Each student will specify, design, implement, test, evolve, maintain and manage an

individual project. Students will use a different programming language, language library and development environment than those in COSC 3339. Topics include functional requirements, modeling languages, rapid prototyping, software testing, code refactoring, end-user documentation and technical communication. Prerequisite: COSC 3339. Fall.

**4146, 4246, 4346 Independent Study 1–3 hours**

Supervised independent investigation of advanced computer science topics. The course permits students to further their study of specialized areas in which they have already acquired considerable expertise. A particular topic will be offered only with the prior approval of the instructor. May be repeated for credit with different topics. Specific topic entered on transcript. Prerequisites: Twelve hours of upper-division Computer Science and consent of the instructor. Offered on sufficient demand.

**4150 Internship in Computer Science 1 hour**

An internship at a cooperating work site. Students will be required to work regular shifts, observing and participating in the daily routine. A log is to be kept of each day's activity. Offered with prior approval of the cooperating work site. Requires a minimum of 60 hours per semester of working time. Prerequisite: Consent of instructor. Fall, Spring, Summer.

**4351 Human-Computer Interaction 3 hours**

The field of Human-Computer Interaction (HCI) examines, designs and implements interactive computing systems for use by humans. It is an interdisciplinary field composed of areas such as computer science, industrial engineering and design, the behavioral sciences, and human factors. The course evaluates how humans interact with the world around them and, in turn, utilizes that knowledge toward building interactive computing systems. Through a variety of hands-on projects and in-class discussions, students will learn and directly apply techniques such as iterative and user-centered design, rapid prototyping, usability testing, accessibility and workflow analysis. Students will be encouraged to use both the right and left sides of the brain — to be visual and creative yet logical when approaching problems. Prerequisite: COSC 2325 or COSC 2328. Spring.

**4157 Research 1 hour**

Students will conduct research with a faculty member on a problem of mutual interest. Topics include feasibility assessment, risk management, as well as standard tools and techniques. Students will spend the semester investigating, designing, evolving and articulating a solution to their problem. Students will produce a specification and plan for their solution. Instructor permission required. Fall, Spring.

**4359 Senior Project 3 hours**

Students will conduct research with a faculty member on a problem of mutual interest. Topics include feasibility assessment, risk management, as well as standard tools and techniques. Students will spend the semester investigating, designing, evolving and articulating a solution to their problem. Students will produce a specification and plan for their solution. Prerequisite: COSC 4157. Spring.

**Cooperative Education (COOP)****4010 Cooperative Education 0 hours**

Co-op is a noncredit program that allows students to gain hands-on work experience and practical knowledge in their fields of study. St. Edward's University does not offer a cooperative education requirement for any major curriculum; however, students may independently secure a co-op

opportunity and request registration authorization to retain their “active student” status at St. Edward’s. In this program, students may alternate semesters of full-time, paid work within a company and not enroll in courses (alternating/serial co-op), or students may simultaneously work part-time and carry a part-time or full-time course load (parallel co-op). Prerequisite: Junior or senior standing and instructor authorization; \$45 fee.

## **Criminal Justice (CRIJ)**

### **1302 Administration of Justice 3 hours**

An analysis of the American criminal justice process, with special emphasis on procedure prior to trial, procedure during trial and postconviction processes. Fall, Spring.

### **1310 Criminal Law I 3 hours**

Discourse and study on the general principles of criminal liability and imputability, and an examination of the modern statutory formulations of the various offenses against the person, offenses against habitation and occupancy, and offenses against property. Fall, Spring.

### **2306 American Court System 3 hours**

Discourse and study on the history, structure, law and mechanics of criminal prosecution and adjudication. Prerequisite: Sophomore (30+ hours) standing. Spring.

### **2318 Criminal Investigations 3 hours**

This course explores the fundamental principles and procedures applicable to the investigation of crime, including an introduction to the various forensic sciences, basic principles regarding the collection and preservation of evidence, as well as practices and principles for interviewing witnesses and interrogating suspects. Fall.

### **2326 Chemical Dependency Issues 3 hours**

Students will discuss issues of drug use and abuse and the effects of drugs on behavior. Students will also evaluate both human and animal research. The main goal of this course is for students to gain a better understanding of how drugs work in the brain and in the body to produce their psychological and physiological effects. The roles that drugs play in societies and some of the clinical models used to treat those who use drugs will also be discussed. Contemporary issues such as the link between chemical abuse and crime, our society’s war on drugs, legalization proposals, allocation of priorities and resources, and changing definitions of addiction will be explored. Same as PSYC 2326, SOCW 2326 and CRIM 2326. Fall.

### **2328 American Law Enforcement 3 hours**

Analysis of the history and practices employed in policing American society, with emphasis given to the role and function of the police in the United States and the critical issues currently facing law enforcement. Fall.

### **2341 Chemical Dependency: Special Populations 3 hours**

This course will take a more in-depth look at the impact of alcohol and/or drugs on special populations, including women, children and adolescents, gays and lesbians, the aged, and the incarcerated. Prevention models, interventions and treatment issues will be explored. The class will additionally include an experiential component in which students will derive practical experience(s) in the application of a direct intervention with one of these groups. Same as SOCW 2341. This course is open to all students, although it is part of a series designed for students pursuing licensure in the state of Texas as a Licensed Chemical Dependency Counselor (LCDC).

### **2149, 2249, 2349**

#### **Topics in Criminal Justice**

**1–3 hours**

May be repeated as topics change.

### **3313 Corrections 3 hours**

Analysis and evaluation of contemporary correctional systems and their clientele. Contemporary American corrections are placed in perspective along historical, philosophical, legal, political and cross-cultural dimensions. Fall.

### **3322 Juvenile Delinquency and the Juvenile Justice System 3 hours**

Analysis and interpretations of theories of causation and prevention of juvenile delinquency; examination of the historical development and contemporary practices of the juvenile justice system, including the roles of police, the juvenile court, juvenile probation and private community-service treatment programs. Spring.

### **3323 Constitutional Criminal Procedure 3 hours**

An examination of the United States Supreme Court’s interpretation of the individual constitutional rights applicable in criminal investigations and arrests, as set out in the Fourth, Fifth, Sixth and Fourteenth Amendments. Primary emphasis is given to the Fourth and Fifth Amendment requirements relating to probable cause, arrest, search and seizure, stop and frisk, the exclusionary rule, the plain view doctrine, electronic surveillance, custodial interrogation, and confessions. Fall.

### **3325 Criminal Evidence and Proof 3 hours**

Discourse and study on the two basic questions of law pertaining to criminal evidence and proof: (1) What evidentiary materials of either accusatory or exculpatory nature should be admissible for consideration by the trier of fact, and (2) what use is (or should be) made of the admitted materials by the trier of fact. In particular, the course examines the substance and application of the Federal Rules of Evidence, including the rules addressing relevance, impeachment, hearsay, opinions, privileges, witnesses and scientific evidence. Spring.

### **3333 Criminal Law II 3 hours**

Discourse and study of the justification and excuse defenses to criminal liability, and an examination of the statutory formulations of the various inchoate offenses, offenses against the public order and offenses against the administration of justice. Spring, even years.

### **3356 Counseling and Treatment for Substance Use Disorders 3 hours**

This course will explore historical and contemporary approaches to counseling and treatment of substance use disorders. It will examine scientific evidence related to the effectiveness of different approaches, and will explore key competencies for addiction counseling and the “12 Core Functions” of chemical dependency counseling (including the knowledge, skills and attitudes of professional practice). Instruction will include demonstrations, case studies, role plays, and experiential activities designed to promote integration and application of principles related to diversity and inclusion, clinical ethics, and client-centered evidence-based practice. Same as SOCW 3356 and PSYC 3356. Prerequisite: PSYC 2326 (same as CRIJ 2326, CRIM 2326 and SOCW 2326).

### **4328 Mock Trial 3 hours**

This course explores effective advocacy skills, appropriate professional conduct and trial preparation. This is a performance and presentation-based course that provides students the

opportunity to present direct and cross examinations of witnesses, opening statements and closing arguments, and the introduction of evidentiary exhibits with appropriate foundation. Prerequisite: CRIJ 3325. Spring, odd years.

### **4339 Principles and Practices of**

#### **Science and Law**

**3 hours**

Students will receive instruction on the principles, procedures and practices used in solving societal and legal issues. Students will examine the scientific method and apply scientific knowledge through expert testimony. Students will improve their critical thinking and reasoning skills in examining and debating different positions of current issues at the junction of science and law. Same as FRSC 4339. Prerequisite: FRSC 3320.

### **4340 History of Criminal Justice**

**3 hours**

Discourse on the historical development of crime, the administration of justice and punishment in Western civilization.

### **4341 Comparative Legal Systems**

**3 hours**

An in-depth comparative study of the five major legal models currently existing in nations throughout the world that includes an examination of the basic philosophies of law and justice of each model. Particular emphasis will be given to the development and organization of the criminal justice system in the different models, comparing their respective approaches to policing, courts and corrections.

### **4345 Contemporary Issues in Criminal Justice**

**3 hours**

The examination of contemporary, value-laden controversial issues in the administration of criminal justice. Opposing viewpoints on a wide range of current criminological and legal issues are presented, with a focus on values analysis and principled moral reasoning. The course is writing-intensive. Fall, Spring.

### **4348 Prosecution and Adjudication**

**3 hours**

Discourse and analysis on the constitutional procedural laws governing criminal prosecution and adjudication in American criminal courts. An in-depth examination of the case law developed in the United States Supreme Court majority opinions interpreting the spirit and wording of the United States Constitution regarding criminal procedural law relating to accusatory pleadings and the decision of whether to initiate a criminal prosecution, prosecution jurisdiction and venue, joinder and severance, pretrial discovery, the constitutional and statutory guarantees of a speedy trial and other issues of prompt disposition, adjudication of criminal liability at bench and by jury, fair trial and fair forum, the right to counsel, double jeopardy, sentencing, and postconviction appellate review. Spring, even years.

### **4149, 4249, 4349**

#### **Topics in Criminal Justice**

**1–3 hours**

May be repeated as topics change.

### **4350, 4650 Senior Internship**

**3 or 6 hours**

An intense field experience in which the student is part of the agency staff under the direct supervision of agency personnel. In addition to filling a definite job assignment, the student will write a comprehensive interpretive paper relating to this experience. Students should apply to the instructor one semester in advance and plan to spend 150–300 hours in the field. Fall, Spring.

## **Criminology (CRIM)**

### **1307 Crime in America**

**3 hours**

This course introduces elements of the criminal justice system and

crime problems in context. Students will examine the history of trends in investigations and the social and public policy within which the criminal justice system functions. This class will provide a basic understanding of theory, police, courts and corrections, which will serve as a basis for upper-level classes. Spring.

### **2326 Chemical Dependency Issues**

**3 hours**

Students will discuss issues of drug use and abuse and the effects of drugs on behavior. Students will also evaluate both human and animal research. The main goal of this course is for students to gain a better understanding of how drugs work in the brain and in the body to produce their psychological and physiological effects. The roles that drugs play in societies and some of the clinical models used to treat those who use drugs will also be discussed. Contemporary issues such as the link between chemical abuse and crime, our society's war on drugs, legalization proposals, allocation of priorities and resources, and changing definitions of addiction will be explored. Same as CRIJ 2326, PSYC 2326 and SOCW 2326. Fall.

### **2330 Terrorism**

**3 hours**

An examination of the historical and global origins of terrorism and its evolution into modern contexts. Included is an introduction into the motivations of participants, commonly used methods, and combined military and law enforcement approaches to counter threats domestic and foreign.

### **2332 Organized Crime**

**3 hours**

As the global community becomes more closely linked, previous conceptions of what organized crime is have to be discarded if law enforcement efforts are to be more effective. Students will examine historical groups, emerging groups, illegal activities and expansion into the legal markets, law enforcement and international task force approaches.

### **2149, 2249, 2349**

#### **Topics in Criminology**

**1–3 hours**

May be repeated as topics change.

### **3331 Crime Victims (Victimology)**

**3 hours**

This course examines the role of victims in crimes, their treatment by the criminal justice system, their decisions to report crimes and help prosecute offenders, victim assistance, and victim compensation. Fall.

### **3336 Criminology**

**3 hours**

Discourse on the scientific study of crime and criminals, with emphasis on an analysis of the theories regarding causation of crime and an examination of crime typologies. Prerequisite: CRIM 1307. Fall.

### **3340 Theories of Crime Causation**

**3 hours**

This course is a continuation of criminological theory examined in CRIM 3336. A more in-depth examination of various theories and analyses of criminal behavior provides insight into the question of why people commit crime. Prerequisite: CRIM 3336.

### **4149, 4249, 4349**

#### **Topics in Criminology**

**1–3 hours**

May be repeated as topics change.

### **4350, 4650 Internship in Criminology**

**3 or 6 hours**

An educationally directed program under the supervision of faculty and professionals in the field that offers students opportunities to acquire skills to test in a field setting the theories and principles learned in the classroom. Students should contact instructor six weeks prior to the internship semester and plan to spend 150–300 hours in the field. Prerequisites: CRIM 1307 and CRIM 3336.

## Cultural Foundations (CULF)

### 1318 Literature and Human Experience 3 hours

Students will read, discuss and write about works of literature representative of some of the major genres (fiction, poetry, drama, and/or creative essays) as well as of human diversity, as indicated by the theme of the particular section. Readings shall reflect a multiplicity of viewpoints but may concentrate on a single underrepresented point of view, depending on the theme. Students will learn the characteristics of the major literary genres and become familiar with some of the cultural conventions that both shape and are shaped by works of literature. They will become familiar with various terms of literary criticism used in the analysis of poetry and fiction. Students will be expected to participate in class discussions, as well as write several short papers. Prerequisite: FSTY 1311 or ENGW 1301. Fall, Spring, Summer.

### 1319 Understanding and Appreciating the Arts 3 hours

This course will introduce students to a wide range of artistic expression, including the visual, performing and cinematic arts. Through a variety of readings, lectures and discussions, and by attending plays, exhibits and films, students will be exposed to the breadth and depth of the arts, from aesthetic principles and arts vocabulary to the role of criticism. This course will explore the relationship of various art forms to each other, placing them in a historical and cultural context. Students will also study one art form in depth, focusing on the immediate creative experience, while developing critical criteria for viewing and appreciating all art. Fall, Spring, Summer.

### 1320 The American Experience 3 hours

The American Experience has varied with the gender, race, ethnicity and social class of the person. The purpose of this course is to examine this diversity in experience throughout the country's history, examining the struggles, achievements and perspectives of marginalized groups in U.S. history. Individual and group experiences will be placed within the social, economic and political context of various eras. The course will also examine the role in these histories of the ideals and values of traditional U.S. civic culture, such as liberty, equality and human rights. The overall goal of this course is to develop historical understanding of the problems and strengths inherent in our pluralistic society. Prerequisite: FSTY 1311 or ENGW 1301. Fall, Spring, Summer.

### 2321 American Dilemmas 3 hours

This course presents the principles and methods of sociology, as well as those of political science and economics, to analyze current social problems. It is complementary to The American Experience in that it continues the theme of social pluralism and consideration of social and political ideals as it explores the problems and issues our society faces in the present. Class discussions and assignments are structured to encourage students to address the meaning of individual and public responsibility as well as to define the common good. The importance of identifying conflicting values in defining social problems and their solutions is an integral part of this course. Prerequisites: CULF 1320, and ENGW 1302 or ENGW 1307. Fall, Spring, Summer.

### 3330 History and Evolution of Global Processes 3 hours

This course focuses on the history of global economics, global politics, geography and cultural processes from the

16th to the 21st centuries. It explores the evolution of their interrelationships in an increasingly interdependent world. The course will devote particular attention to the following themes as it explores the history of the global community and explores the problems and challenges in the 21st century: world religions; economic theory (mercantilism, capitalism, socialism); imperialism and colonialism; scientific revolution and enlightenment and their consequences; industrialization; and decolonization and postcolonialism. Students will have on- and/or off-campus curricular and co-curricular experiences that contribute to the understanding of contemporary world issues. Prerequisite: CULF 2321 and junior standing.

### 3331 Contemporary World Issues 3 hours

This course focuses on significant contemporary world issues as they impact a particular (non-U.S.) area of the world. Students will demonstrate knowledge of global processes, including current global economics, global politics and cultural issues, as they influence and are changing at least one non-U.S. area in relation to the rest of the world. Students will have on- and/or off-campus curricular and co-curricular experiences that contribute to the understanding of contemporary world issues. Prerequisite: CULF 3330.

## Dance (DANC)

### 1110 Beginning Tap 1 hour

Study and practice of beginning-level tap. This course may be repeated for credit as the course material varies.

### 1113 Topics in Dance I 1 hour

Study and practice of beginning-level ballet, modern and jazz dance. This course may be repeated for credit as the course material varies.

### 1141 Beginning Ballet I 1 hour

Basic ballet technique to strengthen and stretch and to introduce the beginning student to the fundamentals of ballet as a discipline and art form. May be repeated for credit with instructor's consent.

### 1142 Beginning Ballet II 1 hour

Study and practice of intermediate-level ballet technique. May be repeated for credit as the course material varies. Prerequisite: DANC 1141 or instructor's consent.

### 2111 Intermediate Tap 1 hour

Study and practice of intermediate-level tap. This course may be repeated for credit as the course material varies. Prerequisite: DANC 1110 or permission of instructor.

### 2123 Topics in Dance II 1 hour

Second level of the dance form offered in DANC 1113. Prerequisite: DANC 1113 and/or instructor's consent.

### 2125 Special Topics in Dance 1 hour

Independent research of a topic in the field of dance. Prerequisite: One dance course at St. Edward's or instructor's consent.

### 2145 Beginning Modern Dance 1 hour

Study and practice of beginning-level modern dance with an emphasis on proper alignment, strength, flexibility and creative expression. This course may be repeated for credit as the course material varies.

## Digital Media (BDMM)

### 2301 Principles of Digital Media and Entertainment 3 hours



This is a survey course that exposes students to the key business entities comprising the digital media, entertainment and communication sectors and fosters a recognition and an understanding of the special issues connected to the current convergence of these previously discrete industries. The course covers general industry trends (convergence) and unique business and ethical issues arising from the different business entity components comprising the digital media, entertainment and communication industries.

### **3331 Social Networking and**

#### **Digital Analytics**

**3 hours**

Social Networking and Digital Analytics focuses on the application of social networking tools and methods in the marketing of digital media enterprises and the related analytical tools available to measure the efficacy and cost-effectiveness of web-based programs. The main emphasis will be on the use of social networks and the use of web analytics tools. Additional topics include distribution and marketing campaigns for web-based (or virtual) entities used in the marketing of digital products and services. The goal of this course is to provide the student with an in-depth understanding of the application of social networks and web-based analytics as business tools for digital media enterprises. Prerequisites: BDMM 2301 and BDMM 3334, or consent of instructor.

### **3332 Digital Media Enterprise Creation**

**3 hours**

The central focus of the course is the critical role of opportunity creation and recognition, financing, and structuring of digital media enterprises. Students also explore the emerging new business models due to the convergence of the film, gaming and music industries. Students apply their knowledge through the creation of a business plan for a new venture. Prerequisites: BDMM 2301, FINC 3330, MKTG 2301 and MGMT 2301.

### **3334 Interactive Technology**

**3 hours**

Digital Media Technology focuses on the creation and delivery of digital content such as film, music and games. This course will provide a survey of technologies such as mp3, DVD, portable devices, broadband networks and wireless systems. Students will also be introduced to tools and techniques to develop an Internet site incorporating publishing software, server technologies and transaction systems. The goal of this course is to provide the student with an implementation perspective of how technology supports digital media development and distribution. Prerequisites: BDMM 2301.

### **3338 Digital Media Production Planning**

**3 hours**

This course focuses on the business function that plans, organizes, coordinates and controls the resources needed to dependably and efficiently produce a company's goods and services with quality outputs and outstanding customer service. The course includes project management fundamentals along with projects and discussions of project management in digital media industries, such as gaming and event and venue management. Prerequisites: BDMM 2301, BDMM 3331 and BDMM 3334, or consent of instructor

### **3399 Special Topics in Digital Media**

**3 hours**

Topical issues in Digital Media. May be repeated as topics vary. Prerequisites: Varies by topic.

### **4330 Digital Media and Law**

**3 hours**

This course provides students with a basic understanding of U.S. copyright law as it applies to current business and legal issues connected to digital media and entertainment. The goal of this course is to provide students with a fundamental framework for

analyzing and understanding issues connected to intellectual property, notably copyright and trademark law, as they apply to current digital media and entertainment settings. Prerequisites: BDMM 2301 and BUSI 3303.

### **4336 Digital Media Marketing**

**3 hours**

Digital Media Marketing focuses on the application of marketing theories, strategies and tactics to marketing issues common to the creation and management of digital media entities. The main emphasis will be on the pricing, promotional and branding aspects of digital enterprises. Additional topics include media planning and placement, customer service considerations for web-based (or virtual) entities, and business-to-business marketing of digital products and services. The goals of this course are to provide the student with an in-depth understanding of the application of marketing principles to digital media as well as strategies and tools to aid in marketing decision making. Prerequisites: BDMM 2301 and MKTG 2301.

## **Economics (ECON)**

**Undergraduate business courses contain a content-relevant ethics component.**

### **2301 Microeconomic Principles**

**3 hours**

Introduction to contemporary economic issues including markets in a global economy, consumer behavior, the structure of American industry, wages and labor markets, poverty and income inequality, pollution and the environment, and selected government policies. Students pursuing an MSB major or minor must earn a grade of C or higher in this course. Fall, Spring.

### **2302 Macroeconomic Principles**

**3 hours**

Introduction to big-picture issues such as unemployment, inflation, national income and wealth, budget deficits, interest rates, money creation, banking and the Federal Reserve System, international trade, and alternative views of the role of government spending and taxes. Prerequisite: ECON 2301. Fall, Spring.

### **3301 Microeconomic Theory**

**3 hours**

An analysis of how pricing, output and employment are determined; the role of markets in the allocation of resources; the types and effects of market structures in a mixed economy. Prerequisites: ECON 2301, MATH 2313 and MATH 2113 or consent of department chair. Fall.

### **3302 Macroeconomic Theory**

**3 hours**

A systematic analysis of the concepts and measurement of income and output; the classical, Keynesian and new macroeconomic models; and problems related to economic growth. Prerequisites: ECON 2302, MATH 2313 and MATH 2113, or consent of department chair. Spring.

### **3323 Industrial Organization**

**3 hours**

Analysis of imperfectly competitive markets and market-like situations. Topics include monopoly, oligopoly, price discrimination, product differentiation, entry deterrence, vertical restraints, asymmetric information and regulation. Game-theoretic reasoning is emphasized throughout. Prerequisite: ECON 3301 or consent of department chair.

### **3333 Money and Banking**

**3 hours**

The nature of money, financial markets and institutions, commercial banking, asset markets, credit structure, monetary policy, the role of the Federal Reserve System, international finance and monetary theory. Prerequisite: ECON 2302.

### **3334 Law and Economics**

**3 hours**

This course offers an overview of our legal and economic

systems and analyzes how regulatory constraints and judicial decisions affect our market economy. Areas of study will include property rights, contract law, criminal law and antitrust. Conventional economic analysis and legal case studies will be used. Prerequisites: ECON 2301.

**3336 International Trade and Finance 3 hours**

Introduction to the theories of trade; the international monetary system; and the financing of international trade and economic development. The U.S. balance of payments is analyzed and its effect on foreign investments and operations is studied. Problems and opportunities unique to multinational business are considered. Same as IBUS 3336. Prerequisite: ECON 2302.

**3338 The Economy of China 3 hours**

This course presents an overview of the Chinese economy. It focuses on China's ongoing transition from a planned economy to a more market-oriented economy. Topics covered include reform in the rural agriculture and urban state-owned enterprises, banking, financial markets development, international trade and foreign direct investment, labor and wage issues, and macroeconomic policies. Prerequisites: ECON 2302.

**3399 Special Topics in Economics 3 hours**

Topical issues in Economics. May be repeated as topics change. Prerequisite: Varies with topics.

**4327 Econometrics 3 hours**

This course combines economic theory with statistics to analyze and test economic relationships. Actual economic data will be used to test familiar economic principles and to offer explanations as well as make predictions. Various applications of econometric techniques to specific industries and to macroeconomic modeling will be offered. The course will better prepare students for the job market and for graduate study in economics. Prerequisites: BUSI 2305, ECON 2301 and ECON 2302.

**4341 Labor Economics 3 hours**

Fundamental issues underlying contemporary labor problems, standards of living and distribution of income, wage theories, social implications of unemployment and full employment, social security and unemployment compensation, collective bargaining, and labor legislation. Prerequisite: ECON 2301; ECON 3301 recommended.

**4346 History of Economic Thought 3 hours**

Evolution of economic ideas since ancient times, from biblical writings and the Greeks to classical thinkers such as Adam Smith and Thomas Malthus, to their critics including Karl Marx and Thorstein Veblen, to modern-day theory. Reactions to the development of modern capitalism are examined along with the roots of competing schools of contemporary thought such as neoclassical economics, institutionalism, monetarism, neo-Marxism and new Keynesian economics. This historical survey is undertaken with an eye to understanding different economic systems, including feudalism, mercantilism, capitalism and socialism.

**Education (EDUC)****1111 Topper PRIDE\* 1 hour**

\*Personal Responsibility in Developing Excellence. This course is designed to enhance the quality of the student-athlete's college experience and to support the student-athlete's preparation for success in life. Goals include (1) supporting efforts of student-athletes toward intellectual development and graduation; (2) preparing for success in life; (3) promoting respect for diversity;

(4) building self-esteem; (5) making meaningful contributions to the community; (6) developing ownership for academic, athletic, personal and social responsibilities; and (7) developing leadership skills. Required of all freshman and transfer student-athletes. Prerequisite: Approval of the faculty athletic representative. Fall.

**1330 Schooling, Education and Society 3 hours**

This course introduces students to the education profession. Students will have opportunities to develop an understanding of the historical, philosophical and sociological foundations of U.S. public and private education, particularly their influences on current issues and the future of education. Upon completion, students should be able to contribute an intelligent voice to and make informed choices in the democratic process on issues affecting the quality of education and the teaching profession. This survey course is designed to assist students in affirming or modifying academic and career goals with respect to teacher education. Course requirements include a field experience. Prerequisite: Successful completion of ENGW 1301 or FSTY 1311. Fall, Spring.

**2112 Residence Life Leadership Skills 1 hour**

This course is designed to assist current and prospective resident assistants in developing a more comprehensive understanding of the requirements associated with this paraprofessional position at St. Edward's University. The course will provide a practical overview of, and orientation to, the position. Through specific explorations of leadership, communication, critical thinking and reflective analysis, the course will offer useful perspectives for paraprofessionals and student leaders in their daily lives. The course emphasizes experiential learning and includes out-of-class observations, group activities, class discussions and readings. Classes will meet once a week for 12 weeks. All first-semester resident assistants are required to complete the course; however, any student interested in learning about the RA position is encouraged to enroll. Fall.

**2331 Learning Processes and Evaluation 3 hours**

This course addresses the foundational learning theories governing informational processing strategies and skills related to learning and lesson planning, as well as the effects of the teacher and the environment on the learning experience. Attention is focused on the educational implication and application of research in the areas of cognitive and language development, psychosocial development, educational needs of exceptional students, cultural differences, constructivism, self-regulation, and the prominent theories of learning and motivation. Measurement theory and the development and use of appropriate evaluation instruments will also be addressed. Prerequisite: EDUC 1330. Fall, Spring.

**2332 Educational Technology Integration 3 hours**

This course examines computing technology, components and applications and the impact of computing in the classroom. Laboratory experiences consist of application software, which may include word processing, spreadsheets, databases, desktop publishing, telecommunications including Internet usage, videotaping and editing, web page design, Web Quest creation, and e-portfolio creation. Additional topics will include evaluation and assessment, mentoring, curriculum development, human growth and development, legalities of technology in education, technology management techniques, identifying resources to enhance education, and/or helpful technology tools for teachers. This course satisfies the university's Computational Skills requirement; therefore students must earn a grade of C or

higher. Prerequisite: The successful completion of EDUC 1330. Fall, Spring.

### **2337 Teaching Mathematics in the Elementary School 3 hours**

This course prepares prospective elementary school teachers to create a positive learning experience for elementary students in learning mathematical concepts, skills and applications. Emphasis is placed on understanding the developing child and the impact that development has on mathematics instruction. The Curriculum and Teaching Standards adopted by the National Council of Teachers of Mathematics are stressed. This course builds upon the arithmetic and geometric concepts addressed in MATH 1335 and MATH 1336 and includes a field experience. Prerequisites: EDUC 1330 and EDUC 2331. Co-requisite: MATH 1335 or MATH 1336. Spring.

### **2339 Teaching Science in the Elementary School 3 hours**

This course is intended to provide a comprehensive overview of the objectives, skills, concepts, experiments (hands-on activities), materials and methods necessary to teach science to elementary school children. A series of independent and group activities that will motivate the future educator to teach science in a confident and competent manner will be achieved through class presentations. This course satisfies the general education Science in Depth requirement for EC–6 students only, but must be taken for a letter grade. Prerequisites: EDUC 1330 and EDUC 2331. Pre- or co-requisite: SCIE 2320. Fall.

### **3333 Secondary Instructional Methods and Classroom Management 3 hours**

The application of the principles of effective teaching is addressed in this course. There is an emphasis on lesson planning, classroom management, discipline strategies, instructional techniques and the use of media technology in the instructional process. Also used are courses of study, textbooks, instructional technology and other resources that enhance teaching and learning. A 30-clock-hour internship in an approved secondary school setting is a course requirement. Prerequisites: Senior standing, successful completion of EDUC 1330, SPED 2324 and EDUC 2331, and admission into the Teacher Education program. Fall, Spring.

### **3335 Early Childhood Education 3 hours**

This course is a comprehensive study of current developmental theory and early childhood educational theory and practice. State and national standards for the education of young children will be introduced. These include the promotion of child development and learning; building family and community relationships; observing, documenting and assessing to support young children and families; teaching and learning in the early years; and becoming an early childhood professional. Inquiry-oriented activities and creative projects will be used to facilitate active learning and critical thinking. This course is designed to address the current Texas educator standards for the Early Childhood–Grade 6 Generalist and the Early Childhood–Grade 6 Bilingual Generalist. Prerequisites: EDUC 1330 and EDUC 2331, junior standing, successful completion of the THEA requirements, and admission into the Teacher Education program. Fall.

### **3337 Elementary Instructional Methods and Classroom Management 3 hours**

This course focuses on practical strategies for teaching academic content and for managing student behavior in the elementary classroom. Cooperative learning is emphasized as a teaching

approach. Skills for managing behavior include a variety of models. Students are expected not only to master theory at the cognitive level, but to demonstrate competency through participation in internships at local schools. Prerequisites: Senior standing, successful completion of EDUC 1330, SPED 2324 and EDUC 2331, and admission into the Teacher Education program. Co-requisite: READ 3348. Fall, Spring.

### **3340 Bilingual Elementary School Curriculum 3 hours**

Consideration of philosophies, research and theories of bilingual education and their application to an instructional program. Examination of instructional strategies appropriate for teaching the content areas to a bilingual child. Utilization of the native language as the medium for instruction. Prerequisites: Junior standing, successful completion of EDUC 1330 and EDUC 2331, and admission into the Teacher Education program. Spring.

### **3142 Spanish Cognitive Academic Language in Math and Science 1 hour**

This course prepares prospective bilingual elementary educators to teach mathematics and science in Spanish by building on the pedagogical content taught in EDUC 2337 and EDUC 2339. Students will review math and science concepts, skills, methods and applications in Spanish. Prerequisites: Successful completion of EDUC 2337 and EDUC 2339.

### **4334 Curriculum and Evaluation in the Secondary School 3 hours**

This course focuses on the development of curricular materials appropriate for the secondary school, linking content objectives, instructional materials, teaching strategies, appropriate computer applications, the Texas Essential Knowledge and Skills (TEKS) and lesson design. Students will create units of instruction based on the “Understanding by Design” model. In addition, students will learn to apply contemporary research-based ideas about curricular design to the classroom setting and will become adept at designing and analyzing a variety of assessment tools. A 15-clock-hour internship in an approved setting is a requirement for this course. Prerequisites: Senior standing, successful completion of EDUC 1330, SPED 2324, EDUC 2331, EDUC 2332 and EDUC 3333, and admission into the Teacher Education program. Co-requisite: READ 4343. Fall, Spring.

### **4338 Curriculum and Evaluation in the Elementary School 3 hours**

This course focuses on elementary school curriculum by linking content objectives, lesson design, instructional materials, various teaching strategies, appropriate computer applications and the Texas Essential Knowledge and Skills (TEKS). Students will create thematic units of instruction that integrate all content areas. In addition, students will demonstrate competence in understanding both criterion- and norm-referenced tests. The use of technology is included throughout, as students utilize the Internet to conduct research for units, participate in online discussions, and ultimately add their own research and units to a web page dedicated to the course. Prerequisites: Senior standing, successful completion of EDUC 1330, SPED 2324, EDUC 2331, EDUC 2332 and EDUC 3337, and admission into the Teacher

### **4359 Student Teaching Seminar–Secondary 3 hours**

This seminar is designed to educate and support students enrolled in a student teaching internship in grades 4–8, grades 7–12, or grades EC–12. Attendance at a summer mini-session, weekly evening seminars, and several daylong sessions throughout

the semester will be required. Prerequisite: Senior standing, successful completion of all courses within the professional development sequence, and the successful completion of mandated state licensure exams. Application for admission is required with approval of the Teacher Education Advisory Committee. (See requirements for Admission to Student Teaching in this Undergraduate Bulletin.) Co-requisite: enrollment in a section of EDUC 4361, Student Teaching Internship. Fall, Spring.

**4360 Student Teaching Seminar—Elementary 3 hours**

This seminar is designed to educate and support students enrolled in a student teaching internship in grades EC-6, including bilingual and special education. Attendance at a summer mini-session, weekly evening seminars, and several daylong sessions throughout the semester will be required. Prerequisite: Senior standing, successful completion of all courses within the professional development sequence, and the successful completion of mandated state licensure exams. Application for admission is required with approval of the Teacher Education Advisory Committee. (See requirements for Admission to Student Teaching in this Undergraduate Bulletin.) Co-requisite: enrollment in a section of EDUC 4361, Student Teaching Internship. Fall, Spring.

**4361 Student Teaching Internship 3 hours**

Students will complete a minimum of 12/13 weeks full-time in a EC-12 classroom under the direct supervision of a cooperating certified teacher. Prerequisite: Senior standing, successful completion of all courses within the professional development sequence, and the successful completion of mandated state licensure exams. Application for admission is required with approval of the Teacher Education Advisory Committee. (See requirements for Admission to Student Teaching in this Undergraduate Bulletin.) Co-requisite: enrollment in a section of EDUC 4359 or 4360, Student Teaching Seminar. Fall, Spring.

**4199–4399 Topics in Education 1–3 hours**

Course topics will vary from year to year. Topics are selected based on the interests and needs of upper-division students and on the areas of faculty expertise. May be repeated for credit with different topics. Specific topic will be entered on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

## English Literature (ENGL)

**2300 Introduction to Literary Studies 3 hours**

Open to all interested students, this course introduces literature majors to basic critical and analytical methods, in particular the skills of careful, analytical reading. Students will strengthen precritical skills such as the ability to identify and analyze rhetorical and linguistic features of texts (metaphor, imagery, metonymy, etc.), perceive and discuss complexities of theme, and understand how generic elements (epic, lyric, narrative, etc.) function to create meaning. Students will be introduced to interpretive frames of reference (philosophy, psychology, history, etc.) that are fundamental to advanced literary critical analysis. Emphasis will also fall on expository writing — thesis and support essays that interpret literature. Texts for study will be drawn from world literature, including works in translation. Prerequisite for all ENGL courses numbered 4000; may replace CULF 1318 for ENGL and ENGW majors and for students recommended for honors status. Fall.

**2322 British Literature I 3 hours**

This course offers a survey of literary cultures developing as

England changed from an isolated medieval kingdom to the global empire known as Great Britain. Material will extend from Beowulf through the eighteenth century, sampling the huge varieties of authorship, genre, and poetic technique within that span. Texts will be read with an eye to major cultural developments over multiple centuries, including changes in language (from Anglo-Saxon to Modern English), shifting religious and national identities, the integration of printing technologies, the role of women in culture, the function of monarchy, and the rise of the middle class. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Fall.

**2323 British Literature II 3 hours**

This course continues the first survey of British authors, beginning with the major writers of the Romantic period and ending with modern poetry and short fiction. Special attention will be given to the Romantic poets, the development of the novel, Victorian poetry and prose, and the Modernist movement. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Spring.

**2324 Topics in World Literature 3 hours**

Topics and authors covered in this course will vary. Works written in English as well as works in translation will be included. The focus of a particular section might be the literature of a cultural group such as Hispano-America; literature developing a theme such as crime and punishment, or focused on a historical event such as the Holocaust; or literature concerned with philosophical matters such as the problem of evil, the idea of freedom, or the Faustian legend. May be taken for upper-level credit (ENGL 3339) with instructor permission. Prerequisites: ENGL 2300, CULF 1318, or approved transfer course. Spring.

**2330 Poetics 3 hours**

An in-depth and rigorous investigation of the distinctive features of poetry and of poetic composition and performance, with emphasis on traditions and innovations in form, rhetorical figures and tropes, and evolving approaches to reading and analysis. Non-English forms and traditions will also be explored. Recommended for Creative Writing Track majors specializing in poetry. Offered occasionally.

**3301 American Literature I 3 hours**

A survey of American literature and literary history from the colonial period to the Civil War, this course fosters an understanding of the canon of American literature as it is typically conceived and considers the complex circumstances that have shaped its construction. Topics addressed include the nature of American individualism; the conflict between liberty and equality in American social thought; the emergence of American exceptionalist ideology and a corresponding national mythology inscribed with notions about divinity, nature, self, and society; the dialectic of freedom and slavery in American rhetoric; the American focus on race; the ideology of domesticity; and the aesthetics of American romance. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Fall.

**3302 American Literature II 3 hours**

A survey of American literature from the period following the Civil War to the present. Selected works exemplify aesthetic, historical and cultural developments that, increasingly, challenge the notion of an American literary canon. Attention will be devoted to literary movements, regional writing, native and immigrant cultures, and the increasingly multiple perspectives characterizing modern American experience. Alternating between



close textual readings and cultural contextualization, the course will explore modernism as a set of complex concerns, then consider subsequent literary and cultural developments such as the politics and aesthetics of representation, and the conflicted discourses of race, religion, environmentalism, gender and class. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Spring.

### **3303 Medieval Literature 3 hours**

This course will examine some aspect of the major literary texts and traditions between 400 and 1500 C.E. The focus may be English or continental; it may be thematic or devoted to a major author such as Dante or Chaucer. Special attention will be paid to the connection between texts and cultures, and to how those cultures altered or developed over time. Texts may be used in translation, but awareness will be brought to original language usage and literary structure. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Fall, even-numbered years.

### **3304 The Age of Milton 3 hours**

This course will examine the most culturally significant writers during England's most tumultuous decades. The focus may be exclusively on Milton, or may include Milton among a study of his contemporaries, including Hobbes and Marvell. An investigation of Milton's *Paradise Lost* will be a major component of the class. Overall emphasis will be placed on an awareness of how literary writers such as Milton participated in and contributed to changing religious, political, and social norms of the seventeenth century. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Fall, odd-numbered years.

### **3305 British Romanticism 3 hours**

British Romanticism covers the "Age of Revolution." From 1780-1832, British writers responded to the French Revolution and the Industrial Revolution with a revolution in poetic language and focus. Canonical male writers like William Wordsworth, William Blake, S.T. Coleridge, John Keats, Lord Byron and Percy Bysshe Shelley published in the same literary marketplace as women and working class writers, such as Charlotte Smith, Anna Laetitia Barbauld, Mary Robinson, John Clare, Robert Burns, and others. Studying the texts of these writers together helps us see how varied life in Britain during this period was. We will study gender and genre, debates over the slave trade and the rights of women, literature's turn toward autobiography and its engagement with radical politics and the Napoleonic wars. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Fall, even-numbered years.

### **3306 American Novel to 1890 3 hours**

Novels appear in America as far back as the colonial period. Important early novelists include Susanna Rowson and Charles Brockden Brown; the later nineteenth century sees works by Nathaniel Hawthorne, Herman Melville, Harriet Beecher Stowe, and Henry James become famous around the world for their philosophical depth, and their implicit international dialogue concerning the identity and destiny of the United States. Along with the dialogue between romance and realism, and with reactions to both—such as naturalism—the course will address how the American novel treats 19th-century cultural developments in science, economics, education, and female emancipation. Some attention might be devoted to reception of such novels outside the U.S. Works in this course may be analyzed through a variety of critical and philosophical frames of reference. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Spring, odd-numbered years.

### **3307 Victorian Novel 3 hours**

This course explores the development of the novel and short story during an age of turbulent social, political, and intellectual change. Along with the realist novel, the major genre of the 19th century, texts may include the industrial novel, the sensation novel, horror and science fiction, and the detective story along with fiction featuring "the New Woman," aestheticism, and decadence. Particular attention will be paid to genre and narrative technique and to the representation of 19th-century cultural issues such as evolution and other scientific discoveries, industrialization, social inequities, imperialism, religion, education, gender roles, sexuality, love, and marriage. Various critical approaches will be applied, especially cultural and gender studies, New Historicism, and postcolonialism. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course. Fall, even-numbered years.

### **3308 Restoration and 18th-Century Literature 3 hours**

This course covers the period from the Restoration of the English monarchy in 1660 up to the beginning of the French Revolution in 1789. England, and, after 1707, Great Britain, became a modern nation during this period. Its system of government became more firmly established as a constitutional monarchy, its strength in Europe and around the world advanced dramatically, and its literature moved from being a delicacy for the elite to mass entertainment. London's growth as a commercial city, the rise of a literate middle class, and the expansion of printing all made this possible. This period saw the development of the professional writer and the decline of noble and royal patronage as the main support for the arts. Alexander Pope became rich through his writing, the first literary periodicals appeared, publishing works by Pope, Jonathan Swift, John Gay and other major writers of the day, and Daniel Defoe, Eliza Haywood, and many others developed the modern novel. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Spring, odd-numbered years.

### **3312 Victorian Poetry and Prose 3 hours**

Covers selected 19th-century poetry and prose by writers living in this age of profound cultural and social change. Poets may include Alfred, Lord Tennyson, Elizabeth Barrett Browning, Robert Browning, Christina Rossetti, working class writers such as Janet Hamilton, Jewish writers Grace Aguilar and Amy Levy, and Gerard Manley Hopkins. Prose writers may include John Stuart Mill, Charles Darwin, Matthew Arnold, and Henry Mayhew (*London Labor and the London Poor*). Readings may also include autobiography and travel narratives such as Jamaican Mary Seacole's *Wonderful Adventures* and popular genres such as broadside ballads. The class will emphasize poetic technique and genre—the Victorians excelled in lyric poetry, long narrative poems, and their chief accomplishment, the dramatic monologue—and different perspectives on social and cultural debates, including debates about the nature and purpose of art. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Offered occasionally.

### **3334 Children's Literature 3 hours**

Literature appropriate to children: its sources, prominent authors and illustrators, critical evaluation and presentation. Attention is given to the fundamental principles underlying the choice of children's stories and the techniques of selecting and telling stories. Students preparing to become bilingual teachers will become acquainted with Spanish children's literature. Does not meet requirements for the English Literature major. (Same as READ 3334.) Prerequisite: Sophomore standing. Spring.

### 3335 Development of English Drama up to the Moderns

3 hours

The course will survey English drama from its liturgical origins through the neoclassical revival. It will survey representative dramas from the pre-Elizabethan (other than Shakespeare), Jacobean, Caroline and Restoration periods, as well as significant dramas of the 18th century. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course. Offered occasionally.

### 3336 Shakespeare's Tragedies and Romances

3 hours

The course examines a selection of Shakespeare's plays, weighted toward his later output. Emphasis will be placed on the conventions and practices of Renaissance theater, the Elizabethan and Jacobean political landscape, and the interpretive dilemmas faced by modern readers and audiences. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course. Spring.

### 3337 Shakespeare's Comedies and Histories

3 hours

The course examines a selection of Shakespeare's plays, weighted toward his earlier output. Emphasis will be placed on the conventions and practices of Renaissance theater, the Elizabethan and Jacobean political landscape, and the interpretive dilemmas faced by modern readers and audiences. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course. Fall.

### 3338 Modern and Contemporary Drama

3 hours

An examination of major dramatists of America and Europe and of the theoretical, political and social forces shaping their work. Special attention will be paid to modern and postmodern theory and the aesthetic movements — minimalism, theater of the absurd, "new theater," etc. Emphasis may be historical, theoretical, thematic or critical. The course may be repeated for credit as topics vary. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course. Offered occasionally.

### 3339 Special Topics in Literature

3 hours

From time to time courses not covered by the above descriptions will be offered. Prerequisite: CULF 1318 or ENGL 2300, or comparable transfer course.

### 4310 Modern American Poetry

3 hours

This course will survey the great diversity of forms and voices constituting American poetry from the turn of the previous century up to about 1980, beginning with a brief glance back to the daring innovations of Walt Whitman and Emily Dickinson. Particular attention will be paid to movements that gave voice to previously voiceless sectors of American society, and to poets who have challenged complacent social and political mores. Prerequisite: ENGL 2300 or approved transfer course. Fall, odd-numbered years.

### 4311 Regional Writers

3 hours

Ever since Hector Guillaume St. John de Cr vecoeur and other writers of the Early Republic imagined that American identity might be shaped by geographical region, readers have studied American literary works and the creative process in connection with local influences such as community, the natural environment, and region-specific historical, political, or social conditions. This course might focus on works by writers from the American South, the American West, the Southwest, the Midwest, big cities such as New York or Chicago, or other defined spaces. It will often challenge traditional views of these regions and the writers that come from them. For example, the traditional view of literature of the Midwest is undermined by

consideration of midwestern Native American and African-American writers' perspectives on these regions. Authors, genres, regions, historical periods, themes, and critical approaches will vary in different years. Prerequisite: CULF 1318 or ENGL 2300, or approved transfer course. Spring, even-numbered years.

### 4319 Modern and Postmodern Literature

3 hours

This course involves study of representative literary texts from both the modern and postmodern period, with much discussion devoted to defining the periods and differentiating modern (1910–1965) from postmodern (1965 and after) thought and works. Twentieth-century literature is characterized by revolution and radical experimentation, by both liberal and reactionary politics and, in general, by agonized conflicts characterizing a "post-Enlightenment" response to Eurocentric "master narratives." Thus, there will be an emphasis on historical and cultural contexts of the literature studied. Reading assignments will include relevant secondary materials on modernism and postmodernism, as well as on selected authors' works. Modernist authors considered might include James Joyce, Virginia Woolf, Edith Wharton, William Faulkner, Willa Cather, Richard Wright, Ernest Hemingway, Eugene O'Neill, Flannery O'Connor and Carson McCullers. Postmodern authors may include John Barth, Patrick White, Vladimir Nabokov, Thomas King, Margaret Drabble, Doris Lessing, John Fowles, Edward Albee and Toni Morrison. Prerequisite: Junior or senior status. Spring, even-numbered years.

### 4322 Turn-of-the-19th-Century and Early-Modernist Novel

3 hours

Students will read, analyze, discuss, write about and conduct a modest amount of library research in connection with very short novels representing the turn of the century and the early modern period. Authors could include Arnold Bennett, Willa Cather, Kate Chopin, Joseph Conrad, Charlotte Perkins Gilman, Henry James, Herman Melville, H.G. Wells and Edith Wharton. Students should expect to learn much about this fascinating literary historical period, about the novel as a genre within this historical context and about these authors in particular. Prerequisite: ENGL 2300 or comparable transfer course. Fall, odd-numbered years.

### 4327 The 18th-Century British Novel

3 hours

Examines the growth of the novel as a literary form from John Bunyan's *Pilgrim's Progress* and Aphra Behn's *Oroonoko* through Daniel Defoe's novels and those of Samuel Richardson, Henry Fielding, Laurence Sterne, Tobias Smollett and Frances Burney. The course covers canonical works and lesser-known ones, such as Charlotte Lennox's *Female Quixote* and Eliza Haywood's *The Adventures of Miss Betsy Thoughtless*, in an effort to show how the novel emerged into the dominant literary form by the end of the 18th century. Offered occasionally.

### 4341 Literary Criticism

3 hours

An introduction to contemporary critical theories and practices, with some time devoted to clarifying their historical and philosophical antecedents. Prerequisites: ENGL 2300 or approved transfer course; junior or senior standing, or instructor permission. Fall.

### 4355 Senior Seminar in English Literature

3 hours

In this course, senior Literature majors will engage in independent, in-depth analysis and research of a literary topic and present their findings through a formal oral presentation and either a single long term paper or a series of shorter, interrelated writing projects. Course content and readings are to be determined by individual instructors. May be repeated

for elective credit. Open to junior and senior non-majors.  
Prerequisites: ENGL 4341 and senior standing. Spring.

## English Writing and Rhetoric (ENGW)

### 0301 Basic Writing I 3 hours

Students may be assigned to Basic Writing on the basis of their placement scores. Students may also elect to take this course to improve their writing skills before taking the composition courses required for degree completion. English 0301 is designed to teach basic language skills and to prepare students to succeed in freshman writing courses and all other courses for which good writing skills are necessary. The concentration is on a study of basic grammar: the elements of an English sentence, sentence patterns, correction of sentence errors through sentence combining, and punctuation. Students are required to do a considerable amount of writing so that the knowledge of grammar can improve their own written communication. During the fall semester, traditional students enroll in Freshman Studies: Introduction to Liberal Arts, 3 hours, and Basic Writing I or II, 3 hours. Grades assigned are A, B, C, N and F. Same as FSTY 0307. Fall.

### 0302 Basic Writing (International Students) 3 hours

Students may be assigned to Basic Writing on the basis of their placement scores. This course prepares international students for the type of writing expected in later university English classes, with emphasis on referential writing. Material deals with sentence- and paragraph-level writing, as well as the basics of the essay. Grades assigned are A, B, C, N and F. Fall, Spring.

### 0304 Basic Writing II 3 hours

ENGW 0304 continues to stress the language skills learned in English 0301, but with an increased emphasis upon writing entire essays. In this course, students should improve their ability to write complete, logically unified, grammatically correct essays. During the fall semester, traditional students enroll in Freshman Studies: Introduction to Liberal Arts, 3 hours, and Basic Writing I or II, 3 hours. Grades assigned are A, B, C, N and F. Same as FSTY 0308. Fall, Spring.

### 0105 Speaking and Listening Lab (International Students) 1 hour

The focus of this course is on the production, assimilation and retention of oral information. Designed for the international student, the course provides exposure to various types of lectures and conversations in academic English. Students will learn and practice different techniques for effective note taking and efficient studying in an American university setting. Students will also present material orally to a group and may work individually on pronunciation. Grades are assigned on a P/N basis with each student assessed according to his or her mastery of the basic speaking and listening skills. A grade of I is not permitted.

### 0107 Writing Lab (International Students) 1 hour

Students may be assigned to Writing Lab on the basis of their placement scores. The Writing Lab provides individual instruction to help students overcome specific problems with written English so they can progress toward gaining competent control of standard English, as well as the mechanical conventions of writing. Grades are assigned on a P/N basis. A grade of I is not permitted.

### 1301 Rhetoric and Composition I 3 hours

This course provides instruction and practice in the techniques

of composing with emphasis on persuasive and academic writing. Students will write both formal and informal assignments and will be expected to demonstrate competence in the writing processes from invention through revision. Class work includes discussion, audience analysis, peer critiques and evaluation. Grades assigned are A, B, C, N and F. Also offered for nontraditional and evening students. Same as FSTY 1311. Fall, Spring.

### 1302 Rhetoric and Composition II 3 hours

This course provides continued instruction and practice in the techniques of composing, with emphasis on argumentation. Students will write both formal and informal assignments, one of which will be a research paper. They will be expected to demonstrate increased competence in the writing processes from invention through revision. Class work involves analysis of occasion, audience, and purpose, as well as peer critiques and evaluation. Grades assigned are A, B, C, N and F. Prerequisites: ENGW 1301 or FSTY 1311. Same as FSTY 1313. Fall, Spring.

### 1306 Rhetoric and Composition I (International Students) 3 hours

Instruction and practice in the techniques of composing in English with emphasis on referential writing and self-expression primarily through journal writing. Students will write both in-class and out-of-class essays. Strategies of the composing process are also presented. Grades assigned are A, B, C, N and F. Fall, Spring.

### 1307 Rhetoric and Composition II (International Students) 3 hours

Continued instruction and practice in the strategies of writing in English. The course reviews referential writing and provides instruction and practice in persuasion. Students will write both in-class and out-of-class essays, as well as a research paper. Grades assigned are A, B, C, N and F. Prerequisite: ENGW 1306 or equivalent. Fall, Spring.

### 2300 Introduction to Creative Writing 3 hours

This course provides an introduction to creative writing in multiple genres: fiction, poetry, playwriting, and/or creative nonfiction. It also provides an overview of and practice using the techniques involved in writing in these genres, a familiarity with the terminology of creative writing and the various genres, as well as exposure to and appreciation for published work in the various forms. Prerequisite: ENGW 1302 or FSTY 1313.

### 2301 Poetry Workshop I 3 hours

A seminar for both beginning and experienced poets to discover subjects that interest them, experiment with various poetic forms and develop their own style. Poets are expected to keep a journal, write both in and out of class, participate in small- and large-group discussions, learn revising strategies, and submit a portfolio of their most accomplished poems at the end of the semester. Prerequisite: ENGW 1302. Spring.

### 2302 Fiction Workshop I 3 hours

This course is a seminar of writing and revising short fiction that focuses on essentials of the craft: dialogue, scene, character, plot, narrative, details, tension/conflict, point of view and setting. Students will also read current literature in the genre. Prerequisite: ENGW 1302.

### 2303 Playwriting Workshop I 3 hours

A seminar for both beginning and experienced playwrights to discover and develop storylines, develop situation and character, and write effective dialogue. Writers are expected to write in and out of class, participate in small- and large-group discussions, learn



revising strategies and produce a substantial script for a staged reading at the end of the semester. Prerequisite: ENGW 1302.

**2304 Special Creative Writing Workshops 3 hours**

Seminars for writers to explore two or three traditional genres in one course or to explore less traditional genres (e.g., autobiography, mixed forms). Offered on sufficient demand. Prerequisite: ENGW 1302.

**2305 Creative Nonfiction Workshop 3 hours**

A seminar that explores, using literary techniques, the writer's personal experience, philosophy and curiosity about the world and what it means to be human. Writers may work in a variety of forms: memoir, profile, nature and travel writing, and personal essay. Experimentation with structure is encouraged. Prerequisite: ENGW 1302.

**2320 American Grammar 3 hours**

Designed for students who need to bring their mastery of the terminology and principles of grammar to a level appropriate for teachers and writers. The course begins with basic grammatical points and moves quickly to analysis of the structure of phrases, clauses and sentences. Good preparation for LING 3330, Introduction to English Linguistics, and for the various tests required of prospective teachers. Fall, Spring.

**2323 Research and Argumentation 3 hours**

This course focuses on the processes, aims and modes of referential writing, including appropriate documentation of sources. Emphasis is on writing essays based upon source material and on the critical thinking skills of analysis, summary, synthesis and evaluation. Students will be expected to demonstrate intermediate competence in the strategies of the writing processes of invention, composition and revision. Coursework includes analysis of occasion, audience and purpose, as well as peer critiques and evaluation. Prerequisite: ENGW 1302.

**2325 Text and Discourse Analysis 3 hours**

A course designed to teach students to recognize, analyze and evaluate the diverse "texts" of contemporary culture. Instruction focuses on formal analysis of the discursive strategies, as well as on evaluation of the effective strategies, employed by such discourse and texts in their management of audience. Prerequisite: ENGW 1302. Fall, Spring.

**2326 Revising and Editing 3 hours**

A sophomore-level writing course designed to provide extensive practice with techniques of revising and editing for purpose, audience, form, arrangement and the conventions of standard written English. Prerequisites: Sophomore standing, ENGW 1302 and ENGW 2320, or permission of the instructor. Fall, Spring.

**2329 Document Design 3 hours**

This course introduces the core principles of design and visual rhetoric. Using a variety of software programs, students will apply these principles in print and online documents. Prerequisites: Sophomore standing; ENGW 1302/ESTY 1313 and COSC 1301; or permission of instructor. Fall, Spring.

**2399 Topics in English Writing 3 hours**

A course that offers students a specific focus or topic in the area of writing and editing. Course may be repeated as topics vary.

**3301 Writing for Advertising, Public Relations and Publicity 3 hours**

A course introducing students to the processes, principles and techniques of writing and editing for specialized writing situations,

such as publicity, public relations, organizational newsletters or other in-house publications. Prerequisite: ENGW 1302.

**3304 Legal Writing 3 hours**

This course focuses on applied rhetoric and is designed to give undergraduate students practical experience in writing clear, effective plain-language legal documents. The course offers a range of realistic legal writing problems but does not presume any specialized legal knowledge. The writing assignments will help students to improve their writing and editing skills and to refine their abilities to analyze and develop arguments within a legal context. Prerequisite: ENGW 1302.

**3306 Special Nonfiction Writing Topics 3 hours**

A course introducing students to the processes, principles and techniques of writing and editing for specialized writing situations. Prerequisites: ENGW 1302 or permission of instructor.

**3307 Poetry Writing II 3 hours**

An intermediate course for writers to develop skills and projects in poetry. Prerequisite: ENGW 2301 or permission of instructor.

**3308 Fiction Writing II 3 hours**

An intermediate course for writers to develop skills and projects in fiction. Prerequisite: ENGW 2302 or permission of instructor.

**3309 Stage and Screen Writing II 3 hours**

An intermediate course for writers to develop skills and projects in stage and screen writing. Prerequisite: ENGW 2303 or permission of instructor.

**3310 Special Topics in Intermediate Creative Writing 3 hours**

An intermediate course for writers to develop skills and projects in a genre of their choice. Prerequisite: At least one of the following: ENGW 2301, ENGW 2302, ENGW 2303, ENGW 2304, or permission of instructor.

**3324 Principles of Style 3 hours**

An intermediate-level course intended to make students aware of the rich possibilities in the stylistic features of English, such as diction, sentence construction, organization, figurative language and tone. The class teaches principles of style that are useful in any kind of writing, including expressive and creative writing, academic papers, and business and professional writing. It is especially useful for teaching writers to produce clear, direct informative writing. Students will work with all levels of discourse (the sentence, paragraph and whole composition) and write texts for a variety of audiences and aims (expressive, creative and informative). To appreciate a range of prose styles, students will analyze texts from magazines, newspapers, business and the work of essayists. Prerequisites: ENGW 1302, ENGW 2320, and ENGW 2326 or JOUR 2310. Fall, Spring.

**3331 Media Writing 3 hours**

Students will be introduced to the processes, principles and techniques of writing for various media and will receive practice in writing scripts for audio, video and interactive media. Students are expected to have some training in video editing and/or web authoring tools; this training is available free from Instructional Technology, and students should contact the instructor for more information and should arrange training outside of class time before the semester starts. Prerequisites: ENGW 2320, ENGW 2329, and ENGW 2326 or JOUR 2310, or permission of instructor.

**3332 Writing Online 3 hours**

Students will learn rhetorical principles of hypertextual writing



and publishing with special emphasis on core considerations of audience, purpose, situation and the communicative potential of different modes. Focusing on HTML and CSS markup, the relationship of form and content, information architecture, and user-centered design decisions, students will learn how to plan, design, create, structure and manage a website and to write in various formats intended for online audiences. Students will develop coding skills by creating sites from scratch and also by using selected software editors. Previous training in web authoring is not required, though familiarity with HTML and/or CSS markup is helpful. Prerequisites: ENGW 2320, ENGW 2329, and ENGW 2326 or JOUR 2310, or permission of instructor.

### **3333 Print Production 3 hours**

This course is designed to help students produce sophisticated documents for print production. As they use desktop publishing software, students will strengthen their skills in producing texts for specific occasions, audience and purposes. Students will also learn to critique the content and design of print documents in various genres. Most assignments are group projects designed to develop skills necessary for effective workplace collaboration. Prerequisites: ENGW 1302/FSTY 1313, ENGW 2329, and ENGW 2326 or JOUR 2310, or permission of instructor.

### **3335 Technical and Business Communication 3 hours**

This course is designed to prepare students for authoring documents in various workplace genres. Students will compose several types of workplace communication, such as correspondence, instructions, white papers, business reports, handbooks and oral presentations. Special emphasis will be placed on analyzing the rhetorical dimensions of the workplace: writing for multiple audiences, communicating complex and detailed information, and conforming to institutional style and formatting guidelines. Students are not expected to have prior workplace experience or a specialized technical background to take this course. Prerequisites: ENGW 2320, ENGW 2329, ENGW 2326 or JOUR 2310, and junior or senior standing, or permission of instructor. Fall, Spring.

### **3336 Theories of Rhetoric and Composition 3 hours**

An introduction to the major theories, ancient and contemporary, of rhetoric, communication and composition. Draws on current research and insights from linguistic theory, cognitive theory and rhetorical theory to develop greater understanding of writing processes and build pedagogical or professional applications. Prerequisites: ENGW 1302, ENGW 2320, ENGW 2325, ENGW 2326 or JOUR 2310, and junior or senior standing, or permission of instructor. Fall, Spring.

### **3337 Advanced Editing 3 hours**

A course for writers with advanced grammatical skills. Students should enter the course with few if any difficulties identifying grammatical errors, poorly constructed sentences, spelling errors and typos, etc. The course is designed to provide extensive practice with techniques of editing for purpose, audience, form, arrangement and the conventions of standard English. Prerequisites: ENGW 1302, ENGW 2320, and ENGW 2326 or JOUR 2310.

### **4341 Current Theories of Rhetoric and Composition 3 hours**

An introduction to major contemporary theories of rhetoric, focusing in particular on semiotic and postmodern rhetorical theories. Students will apply these theories to the design and analysis of print and online texts composed in multiple modes (e.g., using sound, images, writing, hypertext) and media. Prerequisites: ENGW 1302, ENGW 2320, ENGW 2325, ENGW 2326 or JOUR 2310, ENGW 3336, and junior or

senior standing, or permission of instructor. Fall, Spring.

### **4342 Magazine Writing 3 hours**

This course is designed to prepare students to write feature articles for publication in magazines and other periodicals. Students learn to analyze markets, write a query letter, conduct interviews and write effective articles for targeted audiences. Prerequisites: ENGW 2320, ENGW 2326 or JOUR 2310, ENGW 3335, and junior or senior standing, or permission of instructor. Spring.

### **4343 Advanced Creative Writing Seminar 3 hours**

A workshop seminar for experienced writers to develop further their creative skills and the kinds of writing they prefer. Writers over the course of the semester will be expected to develop a small selection of writing projects, participate in small-group discussions and individual meetings with the instructor, revise their work extensively, and produce a substantial manuscript at the end of the semester. Prerequisites: Junior or senior standing; at least one of the following: ENGW 2301, ENGW 2302, ENGW 2303, ENGW 2304 or ENGW 3302, or permission of instructor. Offered on sufficient demand.

### **4344 Career Preparation 3 hours**

This course is designed to help students transition from college to a profession or graduate school. Students will have the opportunity to reflect on the work they have done in the major as they produce a portfolio of writing to present to a faculty evaluation committee and to future employers or graduate schools. They will also have the opportunity to work on a graduate school application, to update their résumés and to write sample job application cover letters. In addition, students will learn about a variety of career opportunities available to writers. Prerequisite: Senior standing or permission of instructor. Fall, Spring.

### **4345 Grant Proposal Writing 3 hours**

Writing grant proposals is a high-stakes game. The rhetorical and political challenges associated with proposal writing are unique among workplace documents. This course is designed to give students real-world experience in authoring grant proposals. It is a hands-on course in which students will learn to navigate the entire grant-funding process. The course will work through the identification of grant opportunities, crafting of proposal documents, and submission through digital, print and oral presentation channels. Special emphasis will be placed on negotiating the rhetorical dynamics of the grant process: expressing client needs clearly and addressing the funding agency's requirements. Prerequisites: ENGW 3335 or permission of the instructor. Non-majors welcome with junior or senior standing and permission of instructor. Spring.

### **4350 Internship 3 hours**

The internship provides English Writing and Rhetoric students with real-world professional experience that involves the practical use of theories and skills that have been introduced in the major. Students can serve internships on student publications, in mainstream or new media, as technical writers or editors, or as student assistants in introductory courses, particularly Freshman Studies. Students will report regularly to their internship advisor and will receive ongoing advice and evaluation. May be repeated for credit. Prerequisite: Instructor permission.

*Please see JOUR listings, too, for Journalism courses that are part of the ENGW major.*

## Entrepreneurship (ENTR)

### **3350 Management Consulting 3 hours**

Management Consulting places the student in direct contact with an established business, nonprofit organization or entrepreneurial venture to assist in the resolution of problem(s) facing an owner or manager of an organization. The student completes research and provides a written summary of the history, background structure and general overview of the organization. Prerequisite: Junior standing or permission of instructor. Offered on sufficient demand.

### **3381 Entrepreneurship 3 hours**

Entrepreneurship joins the theory of business creation with practical experience in the development of a new venture. Students will prepare and present a professional business plan to determine the feasibility of starting their own new ventures. The course focuses on developing skills conducive to venture success, including developing a competitive advantage, creating an identity, marketing research, promotion and financing requirements. Selected experts will provide advice and insight on business plan development.

### **3384 Entrepreneurial Marketing 3 hours**

This course covers the strategies that entrepreneurial companies utilize in marketing products and services with minimal marketing budget or resources. This course includes the tactics, advantages and disadvantages of various marketing methods that are unique to the entrepreneur. Students develop marketing and entrepreneurship methods theories using Internet research. Significant course time uses case analyses culminating in student recommendations on a wide range of marketing issues impacting small and medium-sized enterprises. Same as MKTG 3381. Prerequisites: ENTR 3381 and MKTG 2301.

### **3386 Accounting Management for Entrepreneurs 3 hours**

In this course, the student will be exposed to aspects of financial accounting and reporting and tax issues that are particularly relevant for the entrepreneur. Students will learn about employment and income tax planning through practical exercises focused on entrepreneurial ventures. Additionally, accounting information systems, retirement planning, risk management and pro forma financial statements will be addressed. Same as ACCT 3381. Prerequisites: ACCT 2301 and ACCT 2303.

### **3387 Entrepreneurial Finance 3 hours**

Entrepreneurial Finance examines the process of financing a business venture and its growth. The major focus of the course will be on the start-up phase and the initial phases of development. The student will study how to develop and control a financing plan that matches the growth of the entrepreneurial venture. Topics covered will include sources of financing, including angel financing; venture capital; legal implications of financing; and taxes. Cases, presentations and guest speakers will be used throughout the course to emphasize entrepreneurial business practices. Same as FINC 3381. Prerequisites: ENTR 3381 and FINC 3330.

### **3391 Entrepreneurial Practicum 3 hours**

The Entrepreneurial Practicum provides students with the experiential opportunity to create and participate in a start-up venture while at St. Edward's University. Students will participate in venture creation, business plan development, venture formation and management. Upon completion of the venture experience, they will report on results and lessons learned. Prerequisite: ENTR 3381.

### **3393 Entrepreneurial Management 3 hours**

This is a course that is focused on the management of an entrepreneurial business, covering all the aspects of the organization and the operation of a business, with an emphasis on processes and structures for the efficient and effective use of resources that generate value, growth and innovation for start-up business and existing small businesses. Entrepreneurial management encompasses all the unique global, ethical, technological and ecological factors impacting new venture creation that sustain and challenge a range of businesses, including for-profit enterprises and social entrepreneurship entities. This course can be selected as an elective by Entrepreneurship majors and other business majors.

### **3399 Special Topics in Entrepreneurship 3 hours**

Special Topics will be offered to students to better prepare them for their individual entrepreneurial ventures. Proposed topics include international entrepreneurship, music/recording/film/entertainment entrepreneurship, family business management and new venture funding. These courses will be offered on a rotating basis. Prerequisite: ENTR 3381.

### **4382 New Product/Service Design and Development 3 hours**

This course examines various ways of determining the needs of the customer and transforming that information into design criteria, product specifications and product prototypes. This is a project-oriented course focused on understanding and implementing the interaction among design, engineering, manufacturing and marketing. Through this multifunctional approach, the student will research a new product concept, implement the product design and initiate a development process through the prototype stage. The course includes a final product concept presentation. Prerequisites: ENTR 3381 and MGMT 4340.

### **4388 Technology Entrepreneurship 3 hours**

Technology Entrepreneurship provides a core body of entrepreneurial knowledge and training focusing on technology-based ventures. The course is designed to guide students in the development of their technology-based ventures as they move through the various stages of development. Prerequisite: ENTR 3381.

### **4390 Entrepreneurial Strategy 3 hours**

This course is designed as the integrated course for Entrepreneurship majors and should be taken after all other Entrepreneurship classes have been completed. The student will explore the issues and problems facing entrepreneurs in implementing their strategic vision and in managing their daily business operations. Topics include the impact of pre-start-up decisions, problems encountered during start-up, operating problems created by rapid growth and surviving in an adverse environment. The student will develop skills in identifying, analyzing and solving problems in an entrepreneurial firm. Students will concentrate on managing the daily operations of the venture, while keeping their strategic vision in focus. Prerequisites: All required Entrepreneurship courses, 12 hours — ENTR 3381, ENTR 3384, ENTR 3386 and ENTR 3387.

## Environmental Science and Policy (ENSP)

### **1304 Introduction to Sustainability 3 hours**

This course provides an interdisciplinary introduction to environmental science and policy by examining the

environmental, economic and social dimensions of sustainability. Students will learn the sociopolitical concepts necessary to understand the interrelationships between human and natural systems and then use these tools to analyze alternative responses to pressing environmental issues such as biodiversity conservation, sustainable development and human population growth. Students will apply their knowledge of these concepts through experiential learning activities that will enable better understanding of the theory of sustainability as well as its practical implications. This course will encourage students to identify the multidisciplinary nature of environmental issues as well as prepare them for the upper-division specialized courses in the major. Fall, Spring.

### **2302 Environmental Geology 3 hours**

The content of this class not only covers the usual topics, including plate tectonics, rocks and minerals, soils, and landforms, but also includes related environmental issues and their human impact. Examples are drawn from around the world, with an emphasis on the interconnectedness of earth systems and their effects on how different cultures interact with their environments. Spring, even-numbered years.

### **2324 Environmental Science 3 hours**

This course includes in-depth study of the physical, biological and human environment. Emphasis is on the multitude of interrelated factors that affect the life forms on our planet and the evolutionary processes that are responsible for their abundance and distribution. Contemporary issues related to changes in our ecosystems are analyzed from a scientific perspective throughout the course. May satisfy Science in Depth requirement for non-ENSP majors. Fall, Spring, Summer.

### **2325 Weather and Climate 3 hours**

At any given point on earth, atmospheric conditions of temperature, air pressure, winds and precipitation vary by time and season, but they are related to the global energy transfer system driven by the sun. This course will help you understand what is going on outside your window right now while putting it into the context of the global system. The course also will help you understand the difference between weather and climate. Topics covered include tornados, hurricanes, fronts, weather maps, the jet stream, El Niño, the monsoon, water budgets, clouds, the limits of forecasting, climate classification systems, climate change and the influence of climate on people and the distribution of plants and animals. Spring, odd-numbered years.

### **2341 Chemistry in the Environment 3 hours**

An overview of environmental chemistry. Course topics include chemistry in air, water and soil environments, environmental pollutants in each medium with study of effects and methods of treating. Life-cycle analysis, including the concepts of energy, environmental and resource cost of chemicals and fate in environment, will be studied as a method of understanding the risks and benefits of natural and synthetic chemicals in the environment. Course will cover the basics of key analytical techniques used in environmental area, GC, GC/MS and AA/ICP. Prerequisites: CHEM 1340, CHEM 1140 and BIOL 1307. Spring, even-numbered years.

### **2149, 2249, 2349 Topics in Environmental Science and Policy 3 hours**

May be repeated as topics change.

### **3332 Enhancing Sustainability at St. Edward's 3 hours**

This course will explore the concept of sustainability by using the St. Edward's campus as our laboratory. Students will examine differing theories of sustainability and investigate

strategies used by other colleges and universities to minimize their environmental impacts in areas such as greenhouse gas emissions, energy use, waste production, transportation, building construction and food service operations. Students will then conduct interdisciplinary research projects examining current campus operations and evaluating different strategies aimed at making St. Edward's a more sustainable campus. Fall, even-numbered years.

### **3340 Environmental Controversies in Austin 3 hours**

This course examines the major environmental issues in the greater Austin region, such as urban sprawl, endangered species protection, and air and water pollution. Austin provides a wonderful "natural laboratory" for environmental issues because it has a plethora of highly active community organizations that work on various issues and because it is home to both city and state agencies with environmental responsibilities. In order to include these resources in the course, leaders of local environmental organizations will be featured as guest speakers when we discuss the issue on which their organization works. The organizations themselves will be available to students in the course as resources for coursework. Staff from City of Austin and state of Texas agencies dealing with environmental issues will also be invited to speak and serve as resources for students. Spring, even-numbered years.

### **3399 Environmental Law 3 hours**

This course is designed to introduce you to America's attempts to regulate the environment. The primary goal of the course is to provide participants with the tools to find the law, interpret the law and use it. After an initial introduction to the American legal system itself, the majority of the coursework will involve the reading and discussion of environmental legislation, regulations and cases at the U.S. federal level; focus will be made at the end of the course on state environmental law. Particular emphasis will be placed on the legislative model as a tool to address environmental problems. Fall, odd-numbered years.

### **4330 Environmental Politics and Policy 3 hours**

In the early 21st century, new demands worldwide for dealing with the risks of climate change, population growth, loss of biological diversity and terrorism will force governments everywhere to rethink policy strategies and find new ways to reconcile environmental and economic goals. In this course, we will explore these questions, paying particular attention to the unique characteristics of environmental issues, the proper role of government, appropriate environmental goals and the means to achieve them, as well as the prioritization between economic and environmental objectives. Recognizing the global impacts of environmental problems, we will contrast the similarities and differences between environmental concerns in the United States and other parts of the world. Fall.

### **4149, 4249, 4349 Topics in Environmental Science and Policy 3 hours**

May be repeated as topics change.

### **4350 Internship Experience in Environmental Science and Policy 3 hours**

Internships are designed to make supervised, practical experience in the area of environmental science and policy available to students. The Austin area offers many opportunities for placements in appropriate organizations and governmental entities. Students are required to apply to the instructor one semester in advance for acceptance into the course and to spend 150 hours in the field for internship purposes. Junior standing. Fall, Spring, Summer.

**4352 Research Experience in Environmental Science and Policy 3 hours**

This course offers students the opportunity to acquire skills and to test in a field setting theories and principles learned in the classroom. Under faculty direction, students will design, conduct and present their findings of an independent research project on an environmental topic. Junior standing.

**Finance (FINC)**

**Undergraduate business courses contain a content-relevant ethics component.**

**1332 Personal Finance 3 hours**

Personal financial planning is the process of managing your money to achieve personal financial security. This course presents an overview of personal finance issues and provides resource information and experience with financial planning software. Topics covered include financial record keeping, budgeting, tax planning, consumer credit, spending decisions, purchasing insurance, selecting investments, and retirement and estate planning. Computer applications. This course counts as an elective toward total graduation hours, but it does not count as a business school or finance elective.

**3330 Introduction to Finance 3 hours**

Introduction to the financial system, investments and business finance. Provides an integrated perspective of financial markets, financial institutions and management. Introduction to financial systems, the monetary system, depository institutions, the role of Federal Reserve System, and the effects of monetary and fiscal policy on the economy. Operation of financial markets, interest rate determination, time value of money, and role of investment risk and return. Management of a firm's assets and liabilities, funding sources, and basics of capital budgeting and capital structure. Prerequisites: ACCT 2301, ACCT 2303 and ECON 2301. Pre- or co-requisite: ECON 2302. Fall, Spring, Summer.

**3334 Federal Taxation 3 hours**

Introduction to the federal income tax system, determination of income and deductions, and taxation of property transactions, with emphasis on individual taxpayers. Basic research techniques and tax return preparation. Same as ACCT 3334. Prerequisites: ACCT 2301, ACCT 2303, ACCT 3331 and COSC 1318 or COSC 1313.

**3380 Intermediate Financial Management 3 hours**

A comprehensive examination of corporate finance theories and their application to corporate decisions in the areas of capital structure, working capital, dividends, corporate structuring, leasing, bankruptcy and reorganization, mergers and acquisitions. Prerequisite: FINC 3330. Fall, Spring.

**3381 Entrepreneurial Finance 3 hours**

Entrepreneurial Finance examines the process of financing a business venture and its growth. The major focus of the course will be on the start-up phase and the initial phases of development. The student will study how to develop and control a financing plan that matches the growth of the entrepreneurial venture. Topics covered will include sources of financing, including angel financing; venture capital; legal implications of financing; and taxes. Cases, presentations and guest speakers will be used throughout the course to emphasize entrepreneurial business practices. Same as ENTR 3387. Prerequisites: ENTR 3381 and FINC 3330.

**3399 Special Topics in Finance 3 hours**

Topical issues in Finance. May be repeated when topics vary. Prerequisite: Varies with topics.

**4341 Investment Principles and Analysis 3 hours**

Introduction to investment vehicles and operation of the security markets, investment analysis and portfolio management. Considers investment decisions in the context of risk-return analysis. Investment valuation is examined beginning with the economic outlook through analysis of specific securities. Prerequisite: FINC 3330. Fall, Spring.

**4343 Real Estate Finance 3 hours**

Real Estate Finance will provide the student a foundation in the areas of property law, mortgage underwriting practices, mortgage insurance programs, financial analysis, valuation principles, federal income tax laws, investment analysis, real estate development and capital markets, focusing on commercial real estate. The course topics include an introduction to commercial real estate valuation methods used in commercial real estate investment and lending communities, and real estate negotiations. Prerequisite: FINC 3330.

**4346 International Finance 3 hours**

This course serves as an introduction to the fundamentals of international financial management and the challenges and opportunities that corporations and investors face in the global economy. The nature of exchange rates and their impact on corporate decisions provide a foundation for discussing corporate strategy and the decision to invest abroad, foreign exchange market equilibrium conditions and forecasting exchange rates, managing exchange risk, multinational capital budgeting and cost of capital, and sources of financing. The nature and value of international trade and international financial flows are evaluated, and students are introduced to the less popular concept of balance of payments. Conceptual content include ethical issues encountered in the international arena, principles of business strategy, economics, political science, financial management, and derivative instruments. Same as IBUS 4346. Prerequisite: FINC 3330.

**4348 Financial Institutions and Markets 3 hours**

This course is an introduction to the financial system and will provide students with an overview of how financial markets and institutions operate. Students will develop an understanding of money and capital markets; the flow of funds in the economy; the role of credit; the term structure of interest rates; risk management; regulation and deregulation; and financial crises. The role of the Federal Reserve System and its impact on monetary policy will be discussed. Students will also be introduced to the management and regulation of institutions such as commercial/investment banks and investment funds. Prerequisite: FINC 3330. Summer.

**4349 Cases in Applied Finance 3 hours**

Application of financial decision making using case problems that include financial statement analysis, financial planning, capital budgeting, valuation, cost of capital, capital structure, working capital management, lease versus buying, and entrepreneurship. Incorporates computer spreadsheet models for efficient application of sensitivity and scenario analysis. Prerequisite: FINC 3330.

**First-Year Seminar in the Major (FYSM)**
**1100 First-Year Seminar 1 hour**

The First-Year Seminar in the Major is a one-credit-hour elective course. For students with no declared major (including those in the Academic Exploration program), FYSM provides information



and advising that will help them explore their interests in a variety of degree and career options. For students with a declared major, the course provides contact with faculty, programming and academic advising specific to the major. FYSM emphasizes the development of skills necessary for success in college (e.g., academic research and critical-thinking skills, time management and study skills, wellness and personal responsibility). Skills will be related to the course content of introductory-level courses. This course is also designed to help new students adjust to the university and understand and identify with the purpose of higher education and the traditions of the Holy Cross community. Topics are selected based on the interests and needs of students and on areas of faculty expertise. Fall.

## Forensic Science (FRSC)

### 1319 Introduction to Forensic Science 3 hours

This introductory course will survey the field of forensic science and examine its role in the search for truth and justice. The objective of the course is for students to examine and understand the many disciplines that make up forensic science and understand its role in the criminal justice system. Fall, Spring.

2149, 2249, 2349

### Topics in Forensic Science 1–3 hours

May be repeated as topics change.

### 3120 Crime Scene Investigation I Laboratory 1 hour

Taken in conjunction with FRSC 3320. Prerequisites: FRSC 1319 and BIOL 1107/1307 or CHEM 1140/1340 (may be taken concurrently). Minors will need permission to register from the instructor. Fall.

### 3320 Crime Scene Investigation I 3 hours

Students will examine, learn, understand and employ the techniques of crime scene investigation. The objective is to teach the fundamentals of crime scene investigation. Students should be able to assess any crime scene and determine proper procedures to identify, document, collect and handle evidence. Prerequisites: FRSC 1319 and BIOL 1107/1307 or CHEM 1140/1340 (may be taken concurrently). Minors will need permission to register from the instructor. Fall.

### 3121 Crime Scene Investigation II Laboratory 1 hour

Taken in conjunction with FRSC 3321. Prerequisites: FRSC 1319 and FRSC 3320. Spring.

### 3321 Crime Scene Investigation II 3 hours

This course continues the examination of techniques of crime scene investigation begun in FRSC 3320. The evidence collected at the scene of a crime can be used to determine the nature of the crime and to help identify the perpetrators. Detection and analysis of DNA evidence, fiber, hair, body fluids, fingerprints, drugs and toxic substances are fundamental to building a criminal case. Proper collection and handling and careful observation and interpretation of crime scene evidence are vital to criminal investigation and prosecution. Crime Scene Investigation I & II will school students in the fundamentals of crime scene investigations. Prerequisites: FRSC 1319 and FRSC 3320. Taken in conjunction with FRSC 3121. Spring.

### 3332 Crime Scene Photography 3 hours

The course covers the major aspects of crime scene photography including types of camera equipment and general functions and lighting techniques. General scene photographs, photographing evidence in situ and close-ups of evidence are also covered. Students will learn the importance of note taking in support of

the photographs while maintaining a chain of custody which is required during evidence recovery. The course is supported throughout by realistic practical exercises to ensure a full understanding is established. Prerequisite: CRIJ 1302 or FRSC 1319. Fall, Spring.

### 3340 Forensic Aspects of Crimes Against Property 3 hours

This course is a forensic study of various criminal offenses detailed in the Texas Penal Code perpetrated against property belonging to others, including, but not limited to, criminal mischief, larceny, burglary, auto theft and robbery. The course will analyze specific case studies of these offenses and review the most frequently encountered types of forensic evidence associated with each crime, the most widely used and recognized forensic science methodologies employed during the investigation of these crimes, and the scientific protocols for crime scene management as well as evidence collection, preservation and transportation. Additionally, the course will identify and examine the profiles of the various types of property offenders. Prerequisite: FRSC 1319. Fall.

### 3345 Forensic Aspects of Crimes Against Persons 3 hours

A substantive study of various criminal offenses in the Texas Penal Code perpetrated against individuals, including, but not limited to, aggravated assault, sexual assault of children and adults, kidnapping, and robbery. The course will analyze specific case studies of these offenses and review the most frequently encountered types of forensic evidence associated with each crime, the most widely used and recognized forensic methodologies employed during the investigation of these crimes, and the scientific protocols for crime scene management as well as evidence collection, preservation and transportation. Additionally, the course will identify and examine the profiles of the various types of offenders who perpetrate crimes against the person. Prerequisite: FRSC 1319. Spring.

### 4327 Professional Practica in Forensic Science 3 hours

Students will be exposed to the professional expectations for forensic scientists. This course includes the examination of professional organizations, ethical standards and the quality assurance and control protocols. A discussion of accreditation, certification, and the responsibility of the scientist to interpret and represent data accurately will also be covered. Prerequisites: FRSC 3321/3121. Spring, odd-numbered years.

### 4339 Principles and Practices of Science and Law 3 hours

Students will receive instruction on the principles, procedures and practices used in solving societal and legal issues. Students will examine the scientific method and apply scientific knowledge through expert testimony. Students will improve their critical thinking and reasoning skills in examining and debating different positions of current issues at the junction of science and law. Prerequisite: FRSC 3320. Fall, odd-numbered years.

### 4342 Fundamentals of DNA Profiling 3 hours

This course is an overview of the world of DNA profiling. The history of profiling will be covered. DNA extraction, quantification, analytical techniques and database systems will also be reviewed. Case studies pertinent to the success of DNA typing will be examined. Prerequisites: FRSC 1319, BIOL 1307/1107, and BIOL 2334. Offered on sufficient demand.

**4346 Death Investigations 3 hours**

This course is an introduction to forensic aspects of death investigations. The course will review the role of responding officers and investigators/detectives. Death investigations include but are not limited to drowning, homicides and infant deaths such as SIDS. The various stages of death and its effects on the human body will also be covered. Spring.

**4348 Senior Research Seminar 3 hours**

Students will choose a scholarly topic, in consultation with a faculty mentor, that has direct application to their career goals. Students will submit a research prospectus, conduct literature reviews and personal interviews, prepare a thesis-style paper involving independent thought and analysis, and present a formal in-class defense. Prerequisite: Consent of the instructor.

**4149, 4249, 4349 Topics in Forensic Science 1–3 hours**

May be repeated as topics change.

**4350 Internship in Forensic Science 3 hours**

An educationally directed program under the supervision of faculty and professionals in the field that offers students opportunities to acquire skills and observe knowledge acquired in the classroom being applied in the field. Prerequisite: Consent of the instructor.

**French (FREN)**

**Native speakers or students with any French credits from high school must take the placement test before being admitted to any French class at St. Edward's.**

**1310 Introduction to the Culture of France 3 hours**

Taught in English. Introduction to the contemporary culture of France and the historical development of cultural norms, customs and popular and fine arts of the French people. Topics addressed include geography of France and Europe, contemporary values, and religious, social and political structures. Examples of French literature in translation, music, film, video and other media will supplement traditional textbooks as source material for assignments and class discussion.

**1311 French I (Introductory Level) 3 hours**

A beginning course stressing communication skills, acquisition of basic vocabulary and grammar. Extensive online work and study of the material prior to class is an integral part of the course. Students must take a placement test unless they have never had French before. French I and II fulfill a graduation requirement but can also be taken on their own merits for non-language majors and those with non-professional interests, for purposes of tourism, business, cultural exchange and pleasure. During the first year students will learn basic conversational patterns, idiomatic vocabulary, basic grammar and syntax, and general cultural patterns.

**1312 French II (Introductory Level) 3 hours**

A continuation of the development of fundamental skills in French with increased emphasis on functional language skills, cultural literacy, and an awareness of French language and culture outside of France. Vocabulary for travel and survival in the Francophone world will be emphasized and will benefit people with a continued interest in the language (minor) as well as other students. Prerequisite: FREN 1311 or placement test.

**2311 French III (Intermediate Level) 3 hours**

A short review of all basic grammatical concepts and all conversational functional skills that were taught at the introductory level. More focus on details in all four skills (reading, writing, speaking and listening). Course will be based on adapted and

authentic texts, excerpts from online videos, and films. Traditional textbooks will be intertwined with online sources and lessons from TV5 Monde. Prerequisite: FREN 1312 or placement test.

**2312 French IV (Intermediate Level) 3 hours**

Focus on vocabulary acquisition and fine-tuning of basic French grammar. Oral expression and essay-writing assignments will be based on reading and viewing of a variety of target language texts from different genres: video clips, films and listening to song lyrics. As in French I through III the focus will be on functional and contemporary use of the language. Prerequisite: FREN 2311 or placement test.

**2325 Reading and Listening****Comprehension****3 hours**

This course focuses on improving listening and reading comprehension through extensive reading and the development of effective reading strategies. Class activities and assignments will also help develop vocabulary, knowledge about the Francophone world and critical-thinking skills needed for upper-division coursework in French. Students should take this course before registering for upper-division courses with extensive reading assignments. Prerequisite: FREN 2311 with a grade of C or above, appropriate score on the placement test or permission of instructor. Majors and minors in French should take this course concurrently with FREN 2312 if not previously taken. Offered in the spring.

**2326 Practical Conversation 3 hours**

Designed to help students improve fluency and pronunciation and develop vocabulary needed for general purposes. Classes will require preparation for informal conversation with other students and the instructor. Textbooks, video and audio materials, and interviews with native speakers will provide source materials. Prerequisite: FREN 2311 with a grade of C or above, appropriate score on the placement test or permission of instructor. Majors and minors in French should take this course concurrently with FREN 2312 if not previously taken. Offered in the fall.

**3331 Topics in French and Francophone****Literature and Film****3 hours**

This course will examine literature or film of a specific period, region, genre, or theme and may be repeated for credit as topics vary. Prerequisite: FREN 2325 or FREN 2326 with a grade of C or above or permission of instructor.

**3332 Survey of French History 3 hours**

This course will provide a survey of French history from the development of the medieval monarchy through the rise of the Fifth Republic in 1959. Students will also learn about demographic forces, artistic developments, cultural changes and religious movements, all of which contributed to the development of France from medieval to modern times. Prerequisite: FREN 2325 or FREN 2326 with a grade of C or above or permission of instructor.

**3334 Business French 3 hours**

Students will study the formal language of business activities in France, with an introduction to the structure and function of various aspects of French economic life. This course is useful for students in preparing for the proficiency examinations of the Chambre de Commerce de Paris. Additional reading: *AU CONTRAIRE: Figuring out the French* (reading in English to support the understanding of French business culture). Prerequisite: FREN 2325 or FREN 2326 with a grade of C or above or permission of instructor.

**3335 Advanced Composition and Conversation 3 hours**

This class will fine-tune students' knowledge of the structures of French. Students will write essays on a variety of topics and discuss issues in contemporary French culture, literature or any other subject that is conducive to a lively classroom discussion. May be repeated for credit as topics vary. Prerequisite: FREN 2325 or FREN 2326 with a grade of C or above or permission of instructor.

**3337 Topics in French and Francophone****Cultural Studies****3 hours**

This course will examine contemporary cultural issues in the Francophone world and may be repeated as topics vary. Prerequisite: FREN 2325 or FREN 2326 with a grade of C or above or permission of instructor.

**3339 Topics in French Language and Linguistics****3 hours**

This course will examine French as a conceptual, symbolic system and is intended for students who wish to deepen their understanding of French and languages in general. This course may be repeated as topics vary. Prerequisites: FREN 2325 or FREN 2326 or permission of instructor.

**4350 French Internship****3 hours**

Students can study or work abroad in a Francophone country and use the time to do independent research that will be supervised and graded by a St. Edward's University faculty member with the relevant qualifications. Prerequisite: Permission of instructor.

**Freshman Studies (FSTY)****0307 Basic Writing I****3 hours**

Students may be assigned to Basic Writing on the basis of their placement scores. Students may also elect to take these courses to improve their writing skills before taking the composition courses required for degree completion. FSTY 0307 is designed to teach basic language skills and to prepare students to succeed in freshman writing courses and in all other courses for which good writing skills are necessary. The concentration is on a study of basic grammar: the elements of an English sentence, sentence patterns, correction of sentence errors through sentence combining, and punctuation. Students are required to do a considerable amount of writing so that the knowledge of grammar can improve their own written communication. Must be taken in conjunction with FSTY 1310. Students enrolled in FSTY 0307 must also enroll in READ 1323. Grades assigned are A, B, C, N and F. Same as ENGW 0301. Fall.

**0308 Basic Writing II****3 hours**

Students may be assigned to Basic Writing on the basis of their placement scores. Students may also elect to take these courses to improve their writing skills before taking the composition courses required for degree completion. FSTY 0308 stresses the language skills listed in FSTY 0307, but with an increased emphasis upon writing entire essays. In this course, students should improve their ability to write complete, logically unified, grammatically correct essays. Must be taken in conjunction with FSTY 1310. Students enrolled in FSTY 0308 must also enroll in READ 1323. Grades assigned are A, B, C, N and F. Same as ENGW 0304. Fall.

**1310 Introduction to Liberal Arts****3 hours**

A course meeting for three hours per week designed to introduce students to academic life at St. Edward's and provide a foundation for later courses, particularly in the General

Education curriculum.

This course will approach topics from at least two distinct academic disciplines and identify the way disciplines pose questions about the world. Students will develop effective communication skills, both oral and written, and will practice the ability to reason critically and morally. FSTY 1310 must be taken in conjunction with one of the FSTY writing courses (0307, 0308, 1311 or 1313) depending on the student's English placement. Fall.

**1311 Rhetoric and Composition I****3 hours**

This course covers the same writing skills as ENGW 1301 (Rhetoric and Composition I). Instruction and practice in the techniques of composing with emphasis on persuasive and informative writing. The subject matter of the FSTY 1310 class will serve as a source of material for student essays. Students will write out-of-class essays, one of which will be a controlled research paper. Students will be expected to demonstrate minimal competence in the strategies of the writing process, from invention through revision. Class work includes analysis of occasion, audience and purpose, as well as peer critiques and evaluations. Must be taken in conjunction with FSTY 1310. On the basis of placement scores, some students will be required to enroll in FSTY 0307 or 0308, Basic Writing I or II, instead of FSTY 1311, Rhetoric and Composition I. Grades assigned are A, B, C, N and F. Same as ENGW 1301. Fall.

**1313 Rhetoric and Composition II****3 hours**

This course covers the same writing skills as ENGW 1302 (Rhetoric and Composition II). Instruction and practice in the techniques of composing with emphasis on referential writing. The subject matter of the FSTY 1310 class will serve as a source of material for student essays. Students will write out-of-class essays, one of which will be a research paper. Students will be expected to demonstrate competence in the strategies of the writing process from invention through revision. Class work includes analysis of occasion, audience and purpose, as well as peer critiques and evaluation. Must be taken in conjunction with FSTY 1310. Grades assigned are A, B, C, N and F. Same as ENGW 1302. Prerequisite: credit for ENGW 1301. Fall.

**Geography (GEOG)****1302 Cultural Geography****3 hours**

Examination of the geographical development of regional variations in culture. Topics include the distribution of races, languages and religions. Fall, Spring.

**1303 World Geography****3 hours**

Historical background and geographic analysis of the various regions of the world. Emphasis on the encounter between the modernizing West and the traditional societies of the non-Western world. Fall, Spring.

**German (GERM)**

**Native speakers or students with any German credits from high school must take the German placement test before being admitted to their first German course at St. Edward's.**

**1310 Introduction to the Culture of Germany****3 hours**

Taught in English or German. Alternating topics: German history, philosophy and culture until WWII, and contemporary German society. Topics include cultural facts and values and

religious, social and political structures. Materials will consist of a mix of traditional textbooks and literary sources, as well as contemporary multimedia sources, film and music.

## **1311 German I (Introductory Level) 3 hours**

A beginning course stressing comprehension, speaking, reading and writing and acquisition of basic vocabulary. Extensive reading and preparation of materials prior to class is required. The only students who can register for this class are those that were placed at this level. Students must take the placement test unless they have never had German before. Fall.

## **1312 German II (Introductory Level) 3 hours**

A continuation of the development of fundamental skills stressed in German I and further development of vocabulary and grammatical structures needed for basic competence. Extensive reading and preparation of materials prior to class is required. Prerequisite: GERM 1311 or placement test. Spring.

## **2311 German III (Intermediate Level) 3 hours**

The semester course begins with a short review of basic grammatical patterns taught at the introductory level. Continued development of vocabulary, listening comprehension, reading and writing skills. Reading and writing assignments reinforce students' command of more-complex grammatical structures and provide topics for oral discussion. Focus on the acquisition of cultural literacy and the understanding of contemporary issues in Germany through a variety of media sources. Prerequisite: GERM 1312 or placement test. Fall.

## **2312 German IV (Intermediate Level) 3 hours**

Reading and writing assignments stress development of vocabulary and increased flexibility in expression. Oral communication skills receive extensive practice in discussion of reading assignments on a variety of topics in German culture and contemporary life. Extensive listening outside of class is an integral part of this course. Prerequisite: GERM 2311 or placement test. Spring.

## **3331 Culture and Civilization of Modern Germany 3 hours**

The traditions, values, institutions and arts of modern Germany are examined with a view toward understanding contemporary cultural patterns and their historical antecedents. This course focuses especially on the radical changes in German society through the 20th century. Class conducted in German. For upper-division credit in German, students read parallel assignments in German textbooks and write at least one paper in German. Prerequisite: Minimum of one year of German or instructor's permission. For German credit: GERM 2312, placement test or permission of instructor.

## **3334 Business German 3 hours**

A high-intermediate level course that develops an understanding of German business culture as well as the lexicon utilized in different areas of business, such as accounting, banking, credit, management and marketing. No previous knowledge of business concepts is required; non-Business majors are welcome. Course will be multimedia focused and will rely heavily on German business news from Deutsche Welle TV and the program *Made in Germany*. Requires a minimum of intermediate proficiency in speaking, listening, reading and writing. Some background in business courses is helpful. Prerequisite: GERM 2312 or permission of instructor.

## **3335 Advanced Conversation and Composition 3 hours**

Command of the language is the main goal of the course; both

spoken and written German will be practiced. Emphasis is on the development of oral communication skills through a series of activities, beginning with informal speaking situations and progressing to formal oral presentations. Vocabulary development, standard pronunciation and grammar are stressed. Written assignments will complement the evolution of critical thinking by focusing on the basics of reasoning and value analysis. Prerequisites: GERM 2312, placement test or permission of instructor.

## **3338 Topics in Language, Literature or Culture 3 hours**

Study of literature or film of a specific period, region, genre or theme. Sample topics include an examination of the works of major novelists, short story, turn-of-the-century literature in translation and film as literature. Class conducted in English or German. Students pursuing the German minor read the required readings in the original German and submit at least one of the required papers in German. May be repeated for credit.

## **3350 Internship 3 hours**

This course is for advanced students, ideally those who have already completed a minor in German or who have at least passed the Zertifikat Deutsch examination offered by the Goethe Institute (administered in Houston or at St. Edward's). The internship gives students an opportunity to put language skills into use in a specific professional setting, in Germany or in the United States. Students will continue to develop specialized communication skills and will be supervised by a member of the German faculty. They may tutor or teach basic German language skills in schools or private businesses that need individuals who can communicate in written or oral German. Specific objectives will be developed for each intern, taking into account the needs and goals of that student. Internships in Germany, especially in the city of Koblenz, may be arranged for summer and academic-year sessions. Students must preregister for internship courses. Prerequisite: Permission of instructor.

# Global Studies (GLST)

## **1322 Global Issues 3 hours**

Global Issues provides a basic introduction to the central concepts and approaches necessary to explore the field of Global Studies. In this course students will learn to differentiate between the primary disciplines of history, political science, geography and economics, and how each contributes to the understanding of international affairs. Drawing on each of these disciplines, this course will also offer an overview of the major regions of the world as well as exposure to a variety of current challenges and crises confronting the world today. Fall, Spring.

## **1324 Survey of Latin America 3 hours**

This course covers political geography of Latin America and introduces basic history, politics and government, economic developments, regional integration and conflicts, and cultural influences in the region. Spring.

## **1325 Survey of Europe 3 hours**

This course covers political geography of Europe and introduces basic history, politics and government, economic developments, regional integration through the European Union, regional conflicts, and cultural influences in the region. Spring.

## **1326 Survey of East Asia 3 hours**

This course covers political geography of East Asia and introduces basic history, politics and government, economic developments, regional integration and conflicts, and cultural influences in the region. Spring.



**1327 Survey of Middle East 3 hours**

This course covers political geography of the Middle East and introduces basic history, politics and government, economic developments, regional integration and conflicts, and cultural influences in the region. Spring.

**1328 Survey of Africa 3 hours**

This course covers the political geography of Africa and introduces basic history, politics and government, economic developments, regional integration and conflicts and cultural influences of the region. Spring.

**2149, 2249, 2349****Topics in Global Studies 1–3 hours**

May be repeated as topics vary.

**3332 Issues in Global Public Health 3 hours**

This course introduces students to the field of global public health. Students will study how biological, spatial, historical, political, structural and socio-economic factors influence the health of populations and the means in which different international and domestic agencies try to protect public health. Issues discussed in class will vary from year-to-year, but may include such topics as the debate over individual and collective rights regarding public health, an analysis of how national, intergovernmental and non-governmental organizations respond to and serve public health needs, and the relationship between the environment and spread of disease.

**3335 International Political Economy 3 hours**

This course offers an introductory survey of the politics of global economic relations. It will examine the role international and domestic politics have on the issues of international trade, the international monetary system, foreign investment and labor movements and on relations between the “haves and have-nots.” Besides a focus on such international actors as the IMF, the World Bank and the WTO, this course will examine the role of multinational corporations and intergovernmental organizations like the EU and NAFTA and finally questions surrounding the issue of economic globalization. Prerequisite: POLS 2332.

**3337 International Organizations 3 hours**

This course provides an introduction to the theory and practice of both intergovernmental organizations (IGOs) and nongovernmental organizations (NGOs) and the increasingly important role they play in world politics. It will examine the general theories behind the historical development of international organizations, focusing in particular on such groups as the United Nations, regional organizations (e.g., NATO, the EU, the OAS), and NGOs and their roles in peacekeeping and security, social services, humanitarian assistance, economic development, international law and environmental protection. Prerequisite: POLS 2332.

**4343 International Security and Conflict Resolution 3 hours**

Peace and conflict issues are core topics in global studies. While international conflict and war seem to be a constant in the human experience, in fact much of our everyday global interaction is marked by peaceful exchanges and cooperation. This course will provide a theoretical overview of the debates associated with conflict and peace studies, focusing in particular on the causes of war and the nature of diplomacy. It will examine the evolution of, and trends in, warfare, as well as the consequences of war and proposed solutions to help prevent or limit war. Prerequisite: POLS 2332.

**4345 Senior Seminar in Global Studies 3 hours**

A summative senior seminar in which students produce a research project demonstrating the integration and application of knowledge of global issues, showing awareness of geographic, political, historical, cultural and economic issues. Fall, Spring.

**4149, 4249, 4349 Topics in Global Studies 3 hours**

May be repeated as topics vary.

**4151 Study Abroad 1 hour**

All Global Studies majors are strongly encouraged to study abroad. As part of that, they will complete pre-study-abroad requirements and maintain a journal during the study-abroad semester. They will also complete reflection papers on the experience relating it to academic content gained from previous courses, due when they return. After their study-abroad experience, students are *required* to enroll in this course during the following long semester. Prerequisite: Instructor authorization. Fall, Spring, Summer.

**4352, 4652, 4952 Internship 3–9 hours**

Internships are designed to provide supervised, practical experience in the global realm to students. This course is required for those students who do not complete a study-abroad experience (GLST 4151). [Students are strongly encouraged to study abroad.] Fall, Spring.

**Graphic Design (GDES)**

Students will be expected to provide their own storage device to save work generated in Graphic Design classes.

**1314 Typography I 3 hours**

Introduction to letter forms as they relate to visual/verbal communication. Fundamental typographic principles, theory and history are studied, discussed and demonstrated in relation to course projects. Emphasis on the vocabulary of typographic form and its relationship to message/purpose. Coursework employs handwork and computer technology. Fall, Spring.

**2313 Graphic Design I 3 hours**

An introductory studio course for graphic design with an emphasis on the principles of visual organization in order to communicate a message to a particular audience. The goal of this course is to develop a general understanding and a verbal and visual vocabulary to describe, generate and evaluate basic graphic design objects from conceptual, visual and technological points of view. Coursework employs handwork and computer technology. Prerequisite: GDES 1314 with a grade of C or higher. Fall.

**2321 Image Methodology 3 hours**

The purpose of this class is to teach strategies and processes for developing and utilizing original images. Whether the images are digital or analog, students learn to seek the full potential of an image and exploit the possibilities within it. Students also examine how meaning changes depending on the context used. Narrative, hierarchy, scale, metaphor and sequence are also explored. The class will help expand image generation/exploration skills. Prerequisites: ARTS 1311 with a C or higher and VISU 1311. Fall, Spring.

**2331 Graphic Design II 3 hours**

Continued studies in visual communication emphasizing the relationship of form and communication in graphic design. Design history and theory are discussed in relation to course projects. Prerequisites: GDES 2313 and GDES 2321 with a C or higher in each. Spring.

**2049 Sophomore Portfolio Review 0 hours**

Registration in this zero-credit course provides notification to the Graphic Design department that a student intends to complete the required portfolio review for the sophomore year. Students majoring or minoring in Graphic Design are required to take this course. Although this course does not meet on a regular schedule, informative meetings will be scheduled and students will be notified of the portfolio review dates and procedures. A P/N grade is assigned for this course, and although it does not get averaged into the overall GPA, students must pass this requirement as a prerequisite for GDES 3315 and GDES 3300. Prerequisites: GDES 2313 and GDES 2321. Spring.

**3300 History of Graphic Design 3 hours**

A lecture and discussion course that critically investigates and explores graphic design history, including the historical, social, economic and political factors that have shaped and that have been shaped by graphic design. Prerequisite: Junior standing. Fall.

**3304 Advanced Issues in Typography 3 hours**

Further exploration in typographic studies incorporating more advanced and complex problems in both print and interactive environments. Prerequisite: GDES 2313 with a C or higher. Spring.

**3315 Graphic Design III 3 hours**

Continued study of design in communication, combining theoretical studies with applied problems in graphic design. Prerequisite: GDES 2331 with a C or higher. Fall.

**3335 Interaction Design 3 hours**

This course explores design issues unique to user-centered interaction in digital media. Students examine a range of formal and conceptual issues, including user interface, organization, narrative, motion, time and sound. Content development, sequencing, interactivity and navigation are also explored. Students will use observational techniques as a source for design inspiration and prototyping techniques as a method for gaining user feedback. Students begin with observational and data-gathering strategies to better understand their audience. Rapid iteration of sequential prototypes is used to evolve designs and to create physical models for user testing, input, and subsequent revisions. Prerequisites: Junior standing and GDES 3315 with a C or higher. Spring.

**3343 Junior Studio 3 hours**

Required junior-level studio course. Students examine more advanced and complex problems in both print and interactive environments. Prerequisites: Junior standing, GDES 3304 and GDES 3315 with a C or higher in each. Spring.

**3049 Junior Portfolio Review 0 hours**

Registration in this zero-credit course provides notification to the Graphic Design department that a student intends to complete the required portfolio review for the junior year. Students majoring or minoring in Graphic Design are required to take this course. Although this course does not meet on a regular schedule, informative meetings will be scheduled and students will be notified of the portfolio review dates and procedures. A P/N grade is assigned for this course, and although it does not get averaged into the overall GPA, students must pass this requirement as a prerequisite for GDES 4333. Prerequisite: Junior standing and GDES 3315 with a C or higher. Spring.

**4316 Topics in Graphic Design 3 hours**

An advanced-level studio course focusing on the study of

professional-level contemporary topics. May be repeated for credit as topics change. Prerequisite: GDES 3315 with a C or higher or permission of instructor. Spring.

**4333 Senior Studio 3 hours**

This course asks students to develop and execute a self-initiated project. Students will apply their knowledge from previous coursework to independently defined design problems. Students will investigate and utilize different strategies for identifying interests, define a topic of suitable scope, set project parameters, plan its execution, and produce final work of professional quality. Students will exhibit this work as a class in the Fine Arts Gallery and will be responsible for all aspects of exhibition planning and installation. Prerequisite: Senior standing and GDES 3343 with a C or higher. Fall.

**4340 Directed Studies 3 hours**

This course is designed for junior or senior students wishing to pursue an advanced topic within graphic design. The work may be applied or theoretical. Students will work individually with an instructor on a project contract basis. Students must file an approved learning contract for this course with their instructor prior to enrollment. May be repeated for credit. Prerequisite: Instructor's permission.

**4344 Social Design 3 hours**

This course explores issues of responsibility and how designers participate, shape and criticize the world around us. Graphic designers produce a majority of the visual imagery society views and consumes. This position of cultural producer is a powerful one and requires designers to be aware of how design decisions have reverberating effects. Students will develop a critical stance on cultural issues through analysis and visual response. Prerequisite: GDES 3343 with a grade of C or higher, or permission of instructor. Spring.

**4049 Senior Exhibition and Portfolio Review 0 hours**

Registration in this zero-credit course provides notification to the Graphic Design department that a student intends to complete the senior exhibition requirement in the current semester. Students majoring in Graphic Design are required to take this course. Students should fulfill their senior exhibition requirement during the spring semester of their senior year, after they have completed GDES 4333, Senior Studio. Although this course does not meet on a regular schedule, informative meetings will be scheduled and students will be notified of the senior exhibition and portfolio review dates and procedures. A P/N grade is assigned for this course, and although it does not get averaged into the overall GPA, students must pass this requirement before they are certified to graduate. Prerequisite: GDES 3049 and GDES 4333. Spring.

**4350 Internship 3 hours**

An opportunity for students to gain on-the-job experience with current technologies, methods and concepts related to the field while working under the supervision of a creative professional (designer, art director, creative director, etc.). May be repeated once for credit. Prerequisites: Junior or senior standing and instructor authorization.

## History (HIST)

**1301 U.S. History to 1877 3 hours**

Begins with the confrontation of European explorers with Indians and continues to include the development of colonial institutions, the break with Great Britain, the making of the Constitution, new American institutions and changing national

character, westward expansion, the division of the nation in the Civil War, and Reconstruction.

### **1302 U.S. History Since 1877 3 hours**

Begins with the industrialization and urbanization of the nation after the Civil War and continues to the present with attention to involvement in international wars and the Cold War with attendant responsibilities, movements for reform, depression and affluence, advances in technology, and momentous changes in values and lifestyles.

### **1303 Introduction to Historical Methods 3 hours**

This class is designed to introduce students to how historians think, argue, research and write. The course will engage in a shared research project which will vary by semester. Through that project the class will focus on specific issues of importance to the work of historians. Working with your classmates, you will learn how to design a research project, frame a key question of inquiry, locate primary and secondary sources, read them critically, reach an evidence-based interpretation of your own, and present solid work in the forms of proposals, annotated bibliographies, book and literature reviews, brief research papers, and oral presentation.

### **2311 Western Civilization 3 hours**

Western Civilization is a survey of the history and culture of Western Civilization from the Classical World through the Renaissance in Northern Europe (1500). The course will emphasize the problems of social organization, especially mutual obligations and responsibilities of individuals and states and evolving concepts of justice. Other concepts will include religious ideas and institutions and basic philosophical concepts. Western Civilization will include a writing component that emphasizes analytical and critical skills based upon a variety of historical sources. The class will prepare students for European History: Reformation Through 1900 (HIST 3320).

### **2313 The French Revolution 3 hours**

This course will examine the development of events and ideas of the French Revolutionary Era, from its origins in the *Ancien Régime* through the end of the Revolutionary era with Napoleon. In particular, the course will focus on the development of the idea of human rights, how it changed over the course of these years, and how it was applied.

### **2315 The American Revolution and the Early Republic 3 hours**

This course is designed to examine in depth the society, economy, culture and politics of the 13 colonies that became the United States from 1754 through 1812. There is particular emphasis on the Seven-Years War and how it shaped imperial policies, the creation of a colonial revolutionary ideology, the divergence of opinions among Americans concerning the wisdom of republican rule, and the culture of the early republic.

### **2317 The Age of Jackson, 1815–1856 3 hours**

This course is designed as an in-depth examination of the society, economy, culture and politics of the United States from 1815 through 1856. There is particular emphasis on the evolution of American foreign policy from the War of 1812 to the Mexican-American War, the development of cotton plantation slavery and the growth of a distinct American racialism, and the economic and cultural transformation of the country due to the market revolution.

### **2321 World Civilization: The Pre-Modern World 3 hours**

Major topics in world prehistory are treated as background for

a survey of the early civilizations of India, China, Southeast Asia, Japan, Africa, the Mediterranean basin and the Americas. This course will examine the religious, political and cultural development of world civilizations and early globalization. Fall.

### **2329 World Civilization: The Modern World 3 hours**

This course will survey the process of further globalization after 1500 and the evolution of modernism. Stress will be placed on the development of Western science and technology, political liberalism, industrialization, the rise of nationalism and imperialism, recent technological and communication revolutions, and lastly the diffusion of modernism globally with its attendant consequences.

### **2149, 2249, 2349 Topics in History 1–3 hours**

May be repeated as topics change.

### **3300 Oral History 3 hours**

This course will give each student firsthand experience in community historical research. Using historical analysis, students will investigate a topic, give an oral report and complete a specific project. Teamwork, community outreach and insights into the personal nature of the historical process will all be benefits derived from this course. Junior standing required.

### **3301 History of Texas 3 hours**

The Spanish and Mexican periods. The Texas Revolution and Lone Star Republic, the Civil War and the Cattle Kingdom. Politics, economy, life and character of the state.

### **3320 European History: Reformation Through 1900 3 hours**

This course examines the history and culture of the West from the Reformation beginning in the 16th century through the 19th century. The course will cover such issues as the construction of political authority and its relationship to developing ideas about political liberty, the emergence of scientific thinking, religious toleration, the nature and varieties of revolution, the development of market economies, and the beginnings of globalization with colonization. Students will analyze historical sources, incorporating them into a research paper. The course is preparatory for the Senior Research Seminar (HIST 4342) and cannot be transferred to St. Edward's from another school. Prerequisite: HIST 2329.

### **3322 The Atlantic World, 1450–1838 3 hours**

This course examines the contact and connections between peoples living around the Atlantic Ocean between the 15th century and the early 19th century. It will examine the destruction and reconfiguration of indigenous societies, the creation of new labor markets, the voluntary and involuntary migration of peoples, the social, political and religious effects of exploration, conquest and settlement, the economic and intellectual impact that the New World had upon the Old, the transmission of ideas and technologies between continents, the advent of colonial independence, and the efforts to end slavery and the international slave trade.

### **3324 The Civil War and Reconstruction 3 hours**

This course explores the causes, course, and consequences of the American Civil War, from the 1850s to 1877, including the crisis of union and disunion; slavery, race, and emancipation as a national problem, personal experience, and social process; the experience of the war for individuals and society; and the political and social challenges of Reconstruction.

### **3331 Social History of Recent America 3 hours**

Topics in social history are interwoven into traditional

political and diplomatic chronology. Subjects include sports, movies, music, radio and television; the impact of scarcity and abundance; isolationism, war, Cold War and nuclear threat; expansion and contraction of American power; national fears and exploitation of them; struggles for equality and role change; transitions in manners and morals.

### **3332 The Progressive Era** **3 hours**

American attempts at adjustment to industrialization and urbanization from 1890 to 1920; reform efforts by Theodore Roosevelt, Taft, Wilson, La Follette, Jane Addams, DuBois, the Muckrakers and others; social changes reflected in manners, morals, fashions, automobiles, motion pictures, the suffragettes, reforms for blacks, labor unrest; conflicts over imperialism; causes of involvement in World War I and difficulties in building for world peace; the continuation of the reform impulse.

### **3333 The Rise of Modern America, 1920–1945** **3 hours**

This course will focus on American politics, social life and culture from 1920 through World War II. The class will emphasize the following issues: the politics and economics of the 1920s; the impact of the economic collapse on regional, racial and economic groups; the Great Depression and the politics of the New Deal; radical movements and ideologies in the 1930s; American responses to, and involvement in, World War II; and continuity and changes in literature and the arts over the entire period.

### **3335 Women in American Society** **3 hours**

This course will explore the causes and consequences of changes in women's roles in American society from the late-19th century to the present. The class will examine the roles race, class, ethnicity, sexual orientation, religion, region, health and age play in shaping women's identities and experiences. And it will study the ways women have defined and shaped their own lives, those of their families, and those of their local and national communities.

### **3337 Mexico** **3 hours**

This course will deal with both political and social developments in Mexico at the time of Independence, the Post-Independence Wars, the Reform Period, the Porfiriato, and the Revolution of 1910 and will include the events and issues of a changing nation at the end of the 20th century.

### **3352 Latin America** **3 hours**

This course is a comprehensive survey of the basic structure of Latin American history. There is a section on pre-Colombian culture and then a selected study of key Latin American nations that have made a lasting impact on the entire area. The course is designed to show the variety of Latin American society and the changing nature of life from pre-Colombian days to the present.

### **4330 The Reformation** **3 hours**

This is a senior-level course focusing on the Reformation in Europe during the 16th century. We will examine the Late Medieval and Renaissance background to the Reformation. We will study the major leaders and their ideas of the Protestant as well as Roman Catholic reforms. We will also look at the political, social, cultural, and economic changes that took place during the 16th and early 17th centuries in order to place these reform movements in their proper contexts as well as understand their broader impacts. In the process of covering this material students will be introduced to a few of the major historiographical issues concerning the study of religious reform in Early Modern Europe.

### **4336 World War II Through Film** **3 hours**

This course will investigate documentary footage and Hollywood films of the Second World War to explore the origins of American cultural understandings of the war. We will study film from the war years both to see how it reflects American culture and to explore the relationship of filmmaking to politics and propaganda. As a class we will explore the conflicts and confluences of the federal government's wartime needs, the Hollywood movie industry's desires for profits, producers' concerns for aesthetics and politics, and the public's desire for entertainment, education and edification.

### **4342 Senior Research Seminar** **3 hours**

In this course students integrate skills in locating and analyzing sources which they have learned in the history major. One significant paper is produced which draws on primary and secondary sources and includes an evaluation of the historiography of the subject. Participants in the course will learn how historians draw on other disciplines. Sound and fair-minded research will be demonstrated by competent written and oral communication. Prerequisite: HIST 3320 and 75 hours.

### **4344 20th Century Europe** **3 hours**

The people of Europe in the 20th century experienced catastrophic wars, fundamental redefinition of themselves and their place in the world, and ongoing political and economic reorganization. These developments are analyzed to give insight into the struggles and triumphs of the people of Europe in the 20th century. Prerequisite: Junior standing.

### **4149, 4249, 4349 Topics in History** **1–3 hours**

May be repeated as topics change.

### **4350 Internship in History** **3 hours**

An educationally directed program under the supervision of faculty and professionals in the field that offers students opportunities to acquire skills and to test in a field setting theories and principles learned in the classroom. Prerequisite: Junior or senior standing. Students should apply to the instructor a semester in advance and plan to spend 150 hours in the field.

### **4351 Independent Research** **3 hours**

An educationally directed program under the supervision of a History faculty member providing the student with the opportunity to pursue study of a topic of special interest. Students should apply to the instructor a semester in advance. Prerequisite: Junior standing.

## **Honors (HONS)**

### **SEMINARS:**

### **1320 America: Visions and Revisions** **3 hours**

Students will be asked to think critically about America as an evolving social project grounded in humanistic ideals of the Enlightenment. We will examine questions concerning the origins and the actual attainment of these ideals by various specific populations. Beginning with the early republic era and moving up to the present, we will look at American experience in terms of an emergent and conflicted national narrative that political and cultural leaders, as well as ordinary citizens help to construct. We will look at how this narrative also shapes the identities of those same individuals. We will read and discuss historical material (political, social, intellectual), literary works (both fiction and non-fiction), and articles by scholars of American history and culture. Topics for discussion might



include but are not limited to material culture, westward expansion, industrialization, immigration, environmental challenges, and mass communication. This course will substitute for CULF 1320.

### **1340 Honors Special Topics 3 hours**

Topics are selected based on the interests and needs of lower-division students and on areas of faculty expertise. May be repeated as topics change. Specific topic will be entered on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

### **1367 The Printed Page and the Silver Screen 3 hours**

This course will analyze literature and film as art and entertainment. We'll examine how both mediums, like the other arts, enrich our lives, give us pleasure, and lead us to reflect on human experience, particularly our experiences as individuals in society. Some of the first "moving pictures" were based on literary works, and today many of the most critically acclaimed films — and often the most popular ones — are adapted from short stories, novels, or plays. So, our study will include several literary texts and their film adaptations. By examining written literary texts in juxtaposition with film, we can see more clearly how both written and cinematic texts construct narratives (how stories get told) and how both film and written texts use the elements of a particular medium to evoke responses from an audience. As we consider literature and film in the context of a wide range of artistic expression, we'll examine how film incorporates many arts, analyze several paintings, and use texts such as Marjane Satrapi's *Persepolis*, a memoir in comic book form, to see how visual images, graphic design, and writing work together. Students will attend and write a reflection on at least one exhibit (art, photography, graphic design) during the semester. First-semester freshmen only. Substitutes for CULF 1318 or CULF 1319. Fall.

### **2321 Issues of Social Justice 3 hours**

This course will survey some of America's current social problems — poverty, gender and racial discrimination, maldistribution of health care, and others — and analyze them from the perspectives of sociology, politics and economics. Students will choose a topic for more intensive research and the development of an analytical paper. This seminar will involve analysis of problems and potential solutions in the context of enhancing social justice. Prerequisites: Completion of American Experience (CULF 1320) or equivalent. Substitutes for CULF 2321. Fall, Spring.

### **2160 Honors Special Topics 1 hour**

Topics are selected based on the interests and needs of lower-division students and on areas of faculty expertise. Specific topic will be entered on transcript. The service-learning topic may be repeated one time. Prerequisite: varies with topic. Offered on sufficient demand.

### **2360 Honors Special Topics 3 hours**

Topics are selected based on the interests and needs of lower-division students and on areas of faculty expertise. Specific topics will be entered on transcript. May be repeated as topics change. Prerequisite: varies with topic. Offered on sufficient demand.

### **2379 Shakespearean Theater 3 hours**

The Elizabethan and Jacobean playwrights excelled in delighting and shocking their audiences: spectacular crimes were enacted midstage, contrary to the tradition of the ancients, and elements of the masque permeated theaters to enrich both comedy and

tragedy. While writers like Johnson and Webster knew how to exploit theatrics to enhance their plays, none succeeded as well as Shakespeare, who assimilated Renaissance theater tricks more convincingly than any of his contemporaries. We will study his use of stagecraft not as an end in itself, but as a tool to explicate human emotion and motivation. Students will be encouraged to develop an appreciation of a wide range of artistic expression by considering the various arts that go into theatrical performance, (e.g., costumes, props, music) and by considering Shakespearean theatre within the historical and cultural context of the Renaissance. Emphasis in class will be on engagement with the text, particularly using live reenactment. The class will attend at least one performance. Substitutes for CULF 1318 or CULF 1319. Fall.

### **3331 Topics in Contemporary World Issues 3 hours**

This course focuses on significant contemporary world issues as they impact a particular (non-U.S.) area of the world. Students will demonstrate knowledge of global processes, including current global economics, global politics and cultural issues, as they influence at least one non-U.S. area in relation to the rest of the world. Students will have on- and/or off-campus curricular and co-curricular experiences that contribute to the understanding of contemporary world issues. These experiences will be documented on the students' co-curricular transcripts. This course requires a project in which students will be required to demonstrate global understanding of the impact of global processes including global economics, politics and cultural issues in this particular region of the world. Recommended: Junior standing. Spring.

### **3375 The Shaping of the Modern World 3 hours**

This course surveys world civilization from the Medieval Period to the present and traces the evolution of political, economic and cultural institutions in Europe, Asia, the Americas and the Middle East, and highlights remarkable achievements in art, architecture, science and literature. The course will draw connections to earlier eras, while making distinctions between modern and premodern sensibilities and practices. This global course provides a long view on contemporary world issues and is good preparation for study abroad. Substitutes for CULF 3330. Recommended prerequisite: Junior standing. Fall.

### **3377 The Fairy Tale as Myth 3 hours**

Fairy tales have become an integral part of our everyday culture, defining who we are and shaping our character. They appear as familiar motifs in our folklore and literature, in films, and even in television commercials, which arguably function as "modern fairy tales." This seminar will trace the fairy tale back to its roots as folk tale in primitive oral tradition, explore the true origin of the Grimm Brothers' fairy tales (an authentic translation of which students will read) and examine the sociohistorical forces involved in the transition from folk to fairy tale. It will search beneath our "Walt Disney consciousness" to give us a clearer view of the history of the fairy tale and an evaluation of its emancipatory potential in modern times. Since fairy tales influence the manner in which children perceive the world and their place in it, we will explore the major changes in roles of gender, socialization and education over the past 200 years. An examination of the origins of myth and basic archetypal structures in western civilization will function as the theoretical foundation for the seminar. Will be offered in future semesters.

### **3393 Topics in Religious Studies/Theology 3 hours**

This seminar explores issues of particular interest in the fields of religious studies or theology. The focus is on reading primary texts and discussing these texts, with each student writing an

in-depth research paper on a specific topic. This seminar will take one of two approaches. The first approach would explore great religious themes in either world religions or Christian theology. These could include, for example, the Christian mystical tradition, interreligious dialogue, religious and antireligious thinkers, the relationship of science and religion, or the theology of God and Creation. The second approach would focus on the thought of a great religious thinker of the East or West, e.g., Augustine, Thomas Aquinas, Martin Luther, Karl Rahner, Shankara or Sri Aurobindo. Students who have taken the course may repeat it for credit if the topic is different. Substitutes for RELS/PHIL. Will be offered in future semesters.

## **3396 Reading the Visual Environment 3 hours**

We live in many different worlds, e.g., the world of finance, the world of sports, the world of high fashion, the academic world. What these diverse worlds, these social realities, presuppose are the constructive activities of human minds. Intelligent persons make such constructed worlds. In the seminar we will investigate ways of worldmaking. Our special focus will be on how the visual arts, political propaganda and commercial advertising provide examples of “constructs” designed to manipulate audience response. Our primary objective will be to learn how to read parts of our visual environment more methodically and critically. Substitutes for RELS/PHIL. Fall, odd-numbered years.

## **3397 Ethics and Economics 3 hours**

The political and economic institutions prescribed by classical liberalism have at the beginning of the 21st century become dominant in Western societies and increasingly emergent in non-Western societies. While the absence of serious competitors for political loyalties and economic practices leaves the advocates of free-market economics largely unchallenged, a challenge intrinsic to the theory remains: How is economic freedom to be used? If free choices are not necessarily intelligent or responsible choices, what normative guidelines are available for distinguishing between responsible and irresponsible uses of economic freedom? The seminar will clarify and evaluate candidates for such a normative function. Substitutes for Ethics or Religious Studies/Philosophy. Prerequisite: Sophomore standing or above. Spring.

## **4345 Science, Technology and Society 3 hours**

This course begins with a brief chronology of the development of science in Western civilization culminating with an understanding of the role science and technology play in our society. Analysis and discussion of those features that are unique to scientific inquiry follows, including those characteristics typifying marginal and fringe phenomena. Key ethical, cultural and policy issues raised by the interplay of science, technology and contemporary society will be explored. Specific issues, such as science and the law, the effect of media coverage of science on public policy, and risk assessment and management, will be addressed using selected case studies. The course will be a mixture of lecture, seminar discussions and student presentations. In-class activities will include demonstrations of scientific and pseudoscientific phenomena and in-class experiments. Any Honors student may substitute this course for SCIE 2320. For Science majors, this course will substitute for SCIE 4345. It will not substitute for CULF 3330. Prerequisite: Sophomore standing or above. Will be offered in future semesters.

## **4370 Honors Special Topics 3 hours**

Topics are selected based on the interests and needs of upper-

division students and on areas of faculty expertise. May be repeated for credit with different topics. Specific topic will be entered on transcript. Prerequisite: Sophomore standing or above. Other prerequisites vary with topic. Offered on sufficient demand.

## **4384 Topics in Literature and Film 3 hours**

The selection of texts and films will vary, and the emphasis may be thematic, historical or critical. The class will review literary terms, develop a vocabulary for analyzing films and apply several major critical approaches to literature and film. Films will be examined in connection with other forms of artistic expression such as painting, photography and theatre. The class will consider how understanding the formal elements and stylistic options of film may enhance our appreciation of other art forms. Substitutes for either CULF 1318 or CULF 1319. Prerequisite: Sophomore standing or above. Spring.

## **4390 German Nationalism 3 hours**

This course will discuss the expressions and implications of German nationalism within its historical context. It will focus on the historical shift of nationalism in Germany from an oppositional movement in the early 19th century to a controlled ideology of the National Socialist state. Other German-speaking countries, such as Austria, Liechtenstein and Switzerland, as well as European countries with German-speaking minorities (Holland, Luxembourg, Italy, Poland and the Czech Republic), will also be included. A discussion of the various permutations and critical definitions of “Germany” and “German Culture” should challenge a simplistic understanding of the history of German nationalism as an inevitable progression toward totalitarianism and the Holocaust. Some fundamental questions for consideration are these: How are cultural and political traditions appropriated within an ideology of nationalism? What part did the issues of nationalism and German identity have in literary and artistic production? What role might the continuing crisis of German identity play in the European Union? Substitutes for CULF 3331. Prerequisite: Sophomore standing or above. Will be offered in future semesters.

## **4392 Myth and Social Order 3 hours**

From an Enlightenment disparagement of myth as superstition and a 19th-century understanding of myth as characteristic of the “primitive mind,” there has been a shift to an appreciation of myth and symbol as vehicles of truth. Some have argued that valid insights into human experience need not assume a single linguistic form, e.g., a language of the natural sciences or the defined terms of a theoretical discipline. Indeed, many have argued (at least as far back as Plato) that myth and story are the proper vehicles for conveying some important truths about being human. In this seminar we will study three 20th-century writers who appreciated the continuing power of myth to convey truths about the human psyche (Freud), political order/violence (Girard) and human history (Voegelin). Substitutes for RELS/PHIL. Prerequisite: Sophomore standing or above. Fall, even-numbered years.

## **4398 Honors Internship 3 hours**

Students will act as mentors and assume some teaching duties in an Honors class under the close supervision of the instructor or complete a directed study project on campus or in an off-campus setting. Students should expect to work a minimum of 150 hours. May *not* be repeated for credit. Prerequisites: Junior or senior standing and instructor permission.

## **4399 Honors Senior Thesis 3 hours**

Designed as the capstone academic experience of the Honors

Program, the Senior Thesis will involve a substantive research or creative project comparable in scope to the Capstone paper. In collaboration with the director of the Honors Program and a faculty mentor, students will plan an individualized project that builds on their research or creative interests. Papers on normative issues or academic research should be a demonstration of breadth of research, clarity in communication and effective argumentation. Creative projects should demonstrate excellence in a particular medium. The research questions and a tentative design of the project should be approved by the director of the Honors Program prior to the beginning of the semester during which the student is enrolled in HONS 4399. Substitutes for CAPS 4360. Prerequisites: Minimum of five honors seminars (15 hours) and 75 hours overall prior to the semester of enrollment in HONS 4399, minimum honors GPA of 3.5 and cumulative GPA of 3.5 (3.2 for students who entered before Fall 2010), thesis symposium attendance each semester, and permission from director of the Honors Program. Students who do not have the required honors and cumulative GPA will not be allowed to register for HONS 4399 and must take CAPS 4360 instead. Fall, Spring, Summer.

## Interactive Games Management (IGMT)

### 2305 The Business of Gaming 3 hours

This course provides students with the foundational knowledge needed to understand and excel within the fast-paced interactive entertainment industry, including case studies focusing on the major players in the industry and the basics of gaming finance. Prerequisite: Consent of instructor.

### 3120 Game Design Studio I Lab 1 hour

Laboratory is application of theory and must be taken concurrently with IGMT 3320. Prerequisite: Consent of instructor.

### 3320 Game Design Studio I 3 hours

Designed as a "portfolio" course, this class will instruct the basics of game design and gives the student the opportunity to create and/or expand their game design portfolio with the creation of actual, interactive games using sound game design techniques and methods. Students enrolled in IGMT 3320 must also enroll in IGMT 3120. Prerequisite: Consent of instructor.

### 3130 Game Design Studio II Lab 1 hour

Laboratory is application of theory and must be taken concurrently with IGMT 3330. Prerequisites: BDMM 2301, IGMT 3320 and IGMT 3120.

### 3330 Game Design Studio II 3 hours

Designed as a "portfolio" course, this class will give advanced instruction in game design and give the student the opportunity to create and/or expand their game design portfolio with the creation of complex, interactive games using sound game design techniques and methods. Prerequisites: BDMM 2301, IGMT 3320 and IGMT 3120.

## Interactive Games Studies (IGST)

### 2318 World Building in Literature 3 hours

This course will introduce students to the concept and history of *world building* in literature, where authors create rules and paradigms of a fictional universe in an original work with the intention of creating serialized sequels to those original

works. Serial fiction from the 19th century will be discussed, along with examinations of Tolkien's *Middle Earth*, C.S. Lewis' *Narnia*, serial detective works, and modern science fiction and fantasy. Prerequisites: ENGW 1301 and ENGW 1302, or by permission of instructor.

### 2325 Introduction to Digital Music and Audio 3 hours

This course will introduce students to the modern world of digital audio, with particular emphasis on computer-based post-production editing and signal processing, as well as the use of such audio in multimedia projects, including the production of commercial quality band recordings, websites and video games. Prerequisite: BDMM 2301.

### 3312 Fundamentals of Artificial Intelligence for Games 3 hours

This course in artificial intelligence discusses the fundamental concepts of intelligent agents and systems from the perspective of video game development. The course will introduce and develop basic concepts and algorithms for intelligent agents using suitable introductory programming languages, including Visual Basic.

### 3327 Computer Graphics and Animation 3 hours

This course will give students a solid background in the theory and techniques of producing cel-based and computer-assisted animation, with particular emphasis on the production and use of this animation on websites, films and video games. Prerequisites: BDMM 2301, COSC 2325 and COSC 2125, or by permission of instructor.

### 3328 Interactive Storytelling 3 hours

This course is a seminar that gives students experience with traditional storytelling and the particular challenges of interactive narrative. It develops skills necessary for writers and designers of interactive works: a solid understanding of traditional narrative theory, character development, plot, dialogue, backstory and world creation. The course will explore experimental approaches to storytelling in literature, theater and film with relevance to games and collaborative story construction. This course does not require any particular technical skills, although some students may choose to work in online environments. Prerequisites: ENGW 1301, and ENGW 2302 or ENGW 2303, or permission of instructor. ENGW 2302 or 2303 will be waived for Interactive Games Management majors.

## Interdisciplinary Scholars Program (IBSS)

School of Behavioral and Social Sciences

Interdisciplinary Scholars Program requirements are discussed on page 20.

### 4350 Interdisciplinary Research Methods 3 hours

Designed as the capstone academic experience of the Interdisciplinary Scholars Program, this course introduces students to the theory and practice of interdisciplinary research and writing. The course explores disciplinary perspectives in the social sciences, focusing on the defining elements of disciplines: what they study, their assumptions, the data they draw on, the methods they use, and their theories. The course demonstrates how students can draw on knowledge of disciplines to inform the interdisciplinary research process. The course introduces students to integrative models of interdisciplinary writing

and culminates in a research project comparable in scope to the Capstone paper. Over the course of the semester, students will identify a complex problem suitable for interdisciplinary research, engage in interdisciplinary research, and complete a written project which integrates disciplinary insights. Each student will participate in the BSS Honors Symposium and present his or her research paper. Substitutes for CAPS 4360. Prerequisites: Acceptance into the BSS Interdisciplinary Scholars Program and senior standing.

## **International Business (IBUS)**

**Undergraduate business courses contain a content-relevant ethics component.**

### **3330 International Management 3 hours**

This course examines the scope of managing organizations in a global world associated with the shift to a more integrated and interdependent world economy. It provides an examination of the planning, control and influence mechanisms necessary to manage the components of globalization, including markets, production, services, sourcing and intellectual capital.

### **3332 Seminar in Global Business 3 hours**

This is a seminar series that focuses on a particular country or region. This course explores the economic, political and cultural influences faced by organizations in the competitive global business environment. It combines analysis of the underlying principles of global business management in an ethical environment with an experiential travel component to a foreign country to provide a foundation for developing and managing globally responsible businesses. Note: One week to 10-day travel to a foreign country is required; an additional fee will be charged for the travel component. Students will be accompanied by the course instructor. No prerequisites. Fall, Spring.

### **3336 International Trade and Finance 3 hours**

Introduction to the theories of trade, the international monetary system, and the financing of international trade and economic development. The U.S. balance of payments is analyzed and its effect on foreign investments and operations is studied. Problems and opportunities unique to multinational business are considered. Same as ECON 3336. Prerequisite: ECON 2301 or ECON 2302.

### **3399 Special Topics in International Business 3 hours**

Topical issues in International Business. May be repeated when topics vary. Prerequisites vary depending on course topic.

### **4341 International Marketing 3 hours**

An inquiry into the marketing structure, organization, policies and procedures in international marketing. The impact of foreign competition in domestic markets is considered, along with challenges in penetrating foreign markets. Effects of U.S. and foreign antitrust, taxation and regional trade agreements are explored. Readings, discussion, cases, and individual and group assignments are used. Same as MKTG 4341. Prerequisite: MKTG 2301. Fall, Spring.

### **4346 International Finance 3 hours**

This course serves as an introduction to the fundamentals of international financial management and the challenges and opportunities that corporations and investors face in the global economy. The nature of exchange rates and their impact on corporate decisions provide a foundation for discussing corporate strategy and the decision to invest abroad, foreign exchange market equilibrium conditions and forecasting exchange rates, managing exchange risk, multinational capital budgeting

and cost of capital, and sources of financing. The nature and value of international trade and international financial flows are evaluated, and students are introduced to the less popular concept of balance of payments. Conceptual content include ethical issues encountered in the international arena, principles of business strategy, economics, political science, financial management and derivative instruments. Same as FINC 4346. Prerequisite: FINC 3330.

### **4380 International Business Administration 3 hours**

This course is designed to provide the student with an advanced understanding of the business ethics, concepts and techniques used in the developed and developing nations and the differences in the environmental forces of the markets in which they operate. The students will increase their knowledge of the various forces placed on global competitors and be able to decide whether their business ethics, concepts and techniques can be transferred to another country or if they must make adaptations to the local conditions. Students will be given opportunities to work in teams to research current global business environments. Fall, Spring

## **Japanese (JAPN)**

### **1310 Introduction to the Culture of Japan 3 hours**

Taught in English. Introduction to the contemporary culture of Japan and the historical development of cultural norms, customs, popular and fine arts of the Japanese people. Topics addressed include geography of Japan and the Far East, contemporary values, religious, social and political structure. Examples of Japanese literature in translation, music, film, video and other media will supplement traditional textbooks as source material for assignments and class discussion. Spring.

### **1311 Japanese I (Introductory Level) 3 hours**

A beginning course stressing comprehension, speaking, reading and writing skills. Extensive listening outside of class is an integral part of the course. Fall.

### **1312 Japanese II (Introductory Level) 3 hours**

A continuation of the development of fundamental skills stressed in Japanese I, further development of vocabulary and grammatical structures needed for basic competence. Extensive listening outside of class is an integral part of the course. Prerequisite: JAPN 1311. Spring.

### **2311 Japanese III (Intermediate Level) 3 hours**

The semester course begins with a short review of basic grammatical patterns taught at the introductory level. There is continued development of vocabulary, listening comprehension, reading and writing skills. Oral language activities stress conversation skills needed for ordinary interactions with Japanese speakers. Prerequisite: JAPN 1312. Fall.

### **2312 Japanese IV (Intermediate Level) 3 hours**

Continuation of the development of intermediate-level skills in listening comprehension, speaking, reading and writing stressed in Japanese 2311. Prerequisite: JAPN 2311. Spring.

## **Journalism (JOUR)**

### **2310 Copy Editing 3 hours**

This course is designed to provide extensive practice in editing stories for focus, pace, style and the conventions of written English. It will provide a review of grammar and usage conventions of standard written English, practice with common proofreading and copy-editing symbols used in newsrooms, and practice in editing according to AP style.



**2314 Interactive Media Production and Design 3 hours**

This course is designed for communication and journalism students interested in learning to create interactive media content for online distribution. After introducing students to the basics of digital audio, video and image production and editing, the course will examine ways to combine these individual channels into media-rich packages. These packages may take the form of podcasts, interactive graphics, data visualizations, and mashups. Students will explore new data aggregation technologies and learn to engage online audiences through visual storytelling techniques. This course is taught in a Macintosh environment.

**2321 Journalism I 3 hours**

The introductory class covers the fundamentals of identifying news, gathering information and writing stories. The course teaches students how to generate story ideas; cover events; obtain information through observation, research and interviews; write news stories and features; and use the Associated Press style manual. Students are encouraged to contribute to the university's newspaper. Prerequisite: ENGW 1302.

**2328 Broadcast Journalism 3 hours**

Students learn the critical-thinking and creative skills needed to produce responsible digital journalism in the global community. The focus is on writing for broadcast and online journalism, journalistic camera techniques and editing with Final Cut Pro. Prerequisites: Journalism I and Journalism II, or permission of the instructor.

**3303 Opinion Writing 3 hours**

Students learn to differentiate between news and opinion and to produce a quality editorial and op-ed page. They simulate an editorial board and work individually and in groups to produce institutional editorials and independent op-ed articles, columns and reviews. Prerequisites: JOUR 2321 and 3322.

**3304 Entertainment Journalism 3 hours**

A writing and discussion-based course on blogging, criticism, short- and long-form feature writing, and celebrity journalism.

**3307 Newspaper Design 3 hours**

The course focuses on newspaper layout, including handling of photographs, graphics and typography. Students become familiar with InDesign or similar layout software.

**3320 Advanced Broadcast Journalism 3 hours**

Students produce four news packages building on basics from the Broadcast Journalism class. Students also learn how to produce a television newscast and produce a weekly newscast to air on SEU Cable Channel 15. Prerequisites: JOUR 2321, JOUR 3322 and JOUR 2328, or permission of the instructor.

**3322 Journalism II: Online Journalism 3 hours**

This course teaches students to write online and to produce multimedia content for newspapers, magazines, blogs and other web-based publications. Students learn to adapt print writing for the web and to write accompanying headlines and article summaries designed to attract and engage online readers. Students also produce video, audio, photo and interactive graphics to accompany their articles or, if appropriate, to tell these stories in primarily visual, interactive form. JOUR 3322 is designed for the student who aspires to be a practicing journalist in today's multimedia newsrooms or who hopes to establish a freelance career by blogging and writing for online publications. Prerequisites include JOUR 2321, Introduction to Journalism, and JOUR 2314, Interactive Media Production and Design.

**3324 Sports Journalism 3 hours**

This class relies a great deal on professional sports journalists to share their expertise with students. Students will be assigned to cover men's and women's sports on campus and to provide local television stations with updates and video on sports events. With an emphasis on visual communication, the course explores various theories, historical development and current media practices and their effect on the lives of individuals and society. The course includes studies of objectivity, persuasion, censorship and legal problems. Prerequisites: JOUR 2321 and JOUR 3322, or permission of instructor. Taught every two years.

**4305 Journalism III: Advanced Newswriting and Reporting 3 hours**

This course is geared to advanced journalism students who want to deepen their skills by investigating an area of specialization. The focus of this course is the requirement and rigors of beat reporting, with special emphasis on sophisticated reporting techniques, advanced news writing and multimedia storytelling. Students will become proficient beat reporters in an area of their choice, such as education, government, politics, sports OR business. They will learn the language of these areas of coverage, along with source development and other skills critical to beat reporting. Students are encouraged to apply for positions on the student newspaper. Prerequisite: JOUR 3322.

**4331 Special Topics in Print Journalism 3 hours**

This course will explore issues of particular interest within print journalism. These topics will be focused in nature and will assume prior background in print journalism. Course may be repeated as topics vary. Prerequisite: JOUR 2321.

**4332 Special Topics in Broadcast Journalism 3 hours**

This course will explore issues of particular interest within broadcast journalism. These topics will be focused in nature and will assume some prior background in broadcast journalism. Course may be repeated as topics vary. Prerequisite: JOUR 2328.

**4350 Internship 3 hours**  
*Broadcast Journalism*

Students work eight to 10 hours a week (for a total of 150 semester hours) in a formal internship at a local radio or television station. Prerequisite: Instructor permission.

*Newspaper Internship*

Students work a minimum of six hours a week (for a total of 150 semester hours) on the *Hilltop Views*. They are involved in every facet of the newspaper's production from developing story ideas and writing a newspaper budget to writing, editing and proofreading stories, assigning graphics and photos, and writing headlines and cutlines. Prerequisites: Instructor permission, JOUR 2321 and 3322.

**Kinesiology (KINE)****ACTIVITY TOPICS:**

<b>1101 Basic Weight Training</b>	<b>1 hour</b>
<b>1102 Beginning Swimming</b>	<b>1 hour</b>
<b>1103 Aquarobics</b>	<b>1 hour</b>
<b>1104 Basic Racquetball</b>	<b>1 hour</b>
<b>1106 Basic Aerobic Exercise</b>	<b>1 hour</b>
<b>1107 Basic Golf</b>	<b>1 hour</b>
<b>1108 Basic Handball</b>	<b>1 hour</b>
<b>1109 Basic Pilates</b>	<b>1 hour</b>

<b>1112 Intermediate Swimming</b>	<b>1 hour</b>
<b>1115 Intermediate Golf</b>	<b>1 hour</b>
<b>1116 Basic Karate</b>	<b>1 hour</b>
<b>1117 Basic Fencing</b>	<b>1 hour</b>
<b>1118 Basic Yoga</b>	<b>1 hour</b>
<b>1119 Basic Self-Defense</b>	<b>1 hour</b>

**INSTRUCTIONAL TOPICS:**

Multiple topics in selected sports or physical activities. Each course will address pertinent rules, skills, strategies, instructional techniques and risk-management concerns associated with topic(s). Open to all students, but required of Kinesiology majors. Fall, Spring.

<b>1120 Recreational Games</b>	<b>1 hour</b>
<b>1121 Racquet Sports</b>	<b>1 hour</b>
<b>1122 Strength Training and Cardiovascular Conditioning</b>	<b>1 hour</b>
<b>1123 Volleyball/Soccer</b>	<b>1 hour</b>
<b>1124 Basketball/Softball</b>	<b>1 hour</b>

**LIVING LEARNING COURSES:****1160, 1161 Active Life 1 hour**

Enrollment is limited to students admitted into the Active Life LLC. Each course will expose students to various types of active lifestyle choices, healthy behaviors, basic fitness principles, and foster a lifelong appreciation for recreation and wellness. KINE 1160 will be offered in the fall. KINE 1161 will be offered in the spring with a prerequisite of 1160.

**1311 Introduction to Kinesiology and Sport Sciences 3 hours**

A survey course for Kinesiology majors designed to provide students with an overview of the scientific approaches used to study human movement, a working knowledge of the terminology that is used in disciplines associated with human movement, and knowledge of the research and theoretical perspectives in the associated disciplines, and to prepare and motivate students for in-depth study in any of these disciplines. Fall.

**1320 Safety and First Aid 3 hours**

American Academy of Orthopaedic Surgeons training for the prevention and treatment of accidental injuries and medical self-help for disaster situations. Certification awarded upon completion of course requirements. Fall, odd-numbered years, Spring.

**2323 Lifeguard Training 3 hours**

Prepares the above-average swimmer with specialized knowledge and skills in all aspects of water safety. Emphasizes personal safety as well as safety techniques utilized to assist others in case of emergency: First Aid, CPR/AED for Lifeguards, Land/Water Rescues and Backboarding. Culminates in American Red Cross Lifeguard certification. Fall.

**2324 Physical Activity, Recreation and Sports for Special Populations 3 hours**

This course is intended to provide the student practitioner with the necessary information to design and implement appropriate activities for individuals with special needs and limitations. Through public service, students will become familiar with various special populations and methods by which to serve their needs in recreation, sports and physical fitness. Fall, Spring.

**2326 Water Safety Instructor Training 3 hours**

Survey of skills, knowledge, and instructional methods and materials for teaching all levels of swimming and emergency water safety according to American Red Cross standards. Culminates in ARC Water Safety Instructor certification. Prerequisite: Comfortable in and around deep water. Spring.

**2328 Practical Training for the Fitness Professional 3 hours**

This course is intended first and foremost to provide the student with the necessary knowledge and skills to sit successfully for the NASM (National Academy of Sports Medicine) CPT (Certified Personal Trainer) examination. Course objectives will also include the following: (1) necessary knowledge and skills to conduct a personal training business, (2) designing cardiovascular and resistance training fitness programs to meet the needs of specific clients, (3) conducting oneself in a professional manner in a fitness environment, (4) instructing proper form in conducting important foundational exercises, (5) understanding basic biomechanical deviations and how to stretch and strengthen the body to correct these deviations, and (6) nutritional principles related to achieving specific body composition goals.

**2330 Officiating Team Sports 3 hours**

This course is designed to instruct the student practitioner in the rules, mechanics and ethical behaviors necessary to successfully officiate interscholastic team sports and to provide practical experiences in officiating sports at the high school and/or intramural level.

**2335 Prevention and Treatment of Athletic Injuries 3 hours**

Methods and techniques for the prevention and treatment of injuries related to participation in physical activity and athletics. Emphasis is placed on injury management procedures, knowledge of different athletic injuries and conditions, basic first aid, taping, and athletic-padding procedures. Fall, Spring.

**2344 Concepts of Physical Fitness and Wellness 3 hours**

This course is designed to promote a healthy lifestyle derived from proper physical activity and informed lifestyle choices. Major topics of emphasis include an overview of the principles of wellness, stress management, nutrition and weight management, and concepts and principles of physical fitness. With the assistance of related laboratory experiences, students will be provided the opportunity to evaluate their current state of wellness in each of the topic areas and plan appropriate lifestyle change strategies. Fall, Spring.

**3327 Sport Marketing 3 hours**

This course will provide an overview of current issues faced by marketing managers within the sports industry and those outside the industry who market their product through sports. 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. Prerequisite: MKTG 2301 or consent of instructor.

**3331 Health and Physical Education for Children 3 hours**

A course designed for future teachers, providing them with the basic concepts, principles and skills necessary to plan and implement effective and engaging health instruction and physical-education activities for children. Topics covered will include physical fitness, motor skills, rhythms and games, sports,

nutrition, stress management, safety, healthy behaviors, and wellness concepts. This course will address the Texas Essential Knowledge and Skills (TEKS) for health and physical education as well as the current Texas educator standards (TExES) for the EC–Grade 6 Generalist, the EC–Grade 6 Bilingual Generalist and the EC–Grade 12 Physical Education certifications. Prerequisite: Junior standing. Fall, Spring.

### **3332 Social and Psychological Issues of Kinesiology and Sports 3 hours**

This course introduces the student to critical issues and ethical decisions related to the leadership and management of athletic and physical education programs. Topics to be investigated include, but are not limited to, equality, fairness, gender, violence, professionalism, race, sexual orientation and the media.

### **3333 Management of Kinesiology and Sports Programs 3 hours**

This course is a study of the role and responsibilities of management in the conduct of physical education, recreation and athletic programs. Topics include an overview of management; administration and leadership; human resource management; financial management; marketing and media management; and facility and event planning and management. Course emphasis is focused on the practical application of information using a five-part semester-long case study. Prerequisites: Successful completion of KINE 1311 and CULF 2321. Fall.

### **3334 Musculoskeletal Anatomy and Biomechanics 3 hours**

The study of the functional anatomy and mechanical principles fundamental to human motion. Specific application will be made to motor skills pertinent to sports and recreational activities. As an outcome of the course, athletes, coaches and teachers of physical education should be able to analyze human motion with the intent to prevent injuries, rehabilitate the body and enhance motor performance. Prerequisite: Junior standing. Fall, Spring.

### **3336 Recreation and Sport for the Adolescent 3 hours**

Encompasses the equipment sequence and progression of games, rhythms, lifetime and team sports, curriculum, and essential elements for middle and high school students. Also included will be lead-up games to sports skills and coaching for the atypical student. Prerequisite: Junior standing. Spring.

### **3338 Motor Learning and Development 3 hours**

Motor learning is the study of the learning of movement skills and the factors that mediate learning, such as practice or knowledge of results. Motor development is the study of the changes in movement behavior over the life span and the processes or factors underlying these changes. The principles of motor-skill acquisition across the life span will be examined to develop an understanding of the basic concepts and terminology associated with motor learning and human motor development. Students experience how movements are learned and how the capacity for movement changes over the life span. Fall, even-numbered years.

### **3346 Measurement and Evaluation in Kinesiology and Sports 3 hours**

Includes physical fitness and skills tests, evaluation techniques, and statistical procedures useful to the practitioner in the understanding of test results. Prerequisite: Junior standing. Fall, Spring.

### **3347 Evaluation of Athletic Injuries 3 hours**

This course is designed to provide the student with an advanced understanding of critical thinking and problem-solving skills involved in the evaluation, treatment, and rehabilitation of athletic injuries. Topics will include the clinical signs and symptoms of common athletic injuries, advanced evaluation skills and management of injuries. Prerequisite: KINE 2335. Fall.

### **3348 Rehabilitation and Therapeutic Modalities 3 hours**

This course will address the principles and techniques used to plan, implement, document and evaluate the efficacy of therapeutic exercise and modalities for the rehabilitation and reconditioning of orthopedic and athletic injuries. Topics include injury/trauma to tissue, tissue healing, muscle contractions, basics on developing muscle tissue, and proper documentation. Prerequisite: KINE 2335. Spring.

### **4337 Exercise Physiology 3 hours**

This course will explore the acute biological responses of the human body to physical activity and the chronic adaptations that can occur with repeated bouts of exercise over time. Topics will include nutrition, energy transfer, physiological support systems, exercise training and body composition. Emphasis is on the application of the principles deemed most important for peak performance. BIOL 2401 strongly recommended. Prerequisite: Junior standing. Fall, Spring.

### **4340 Coaching Theory and Practice 3 hours**

This course is designed to identify the qualities, skills, competencies, responsibilities and obligations of coaches; to identify the personal and professional roles that coaches may play and the conflicts inherent in these roles; to identify the biological considerations of athletes important for coaches to consider; to review the appropriate strategies and skills necessary to meet, select, teach, motivate and discipline the athlete; to identify the administrative and human-management skills necessary for success as a coach; and to address the advantages and disadvantages of coaching as a profession. Prerequisite: Junior standing. Spring.

### **4342 Facility Design and Facility/Event Management 3 hours**

This course provides the student with a broad, applied introduction to an array of sports and recreational facility types, exploring the design, function, and operation. Students will review the design, planning, and operational aspects of nonprofit and for-profit municipal, state and federally operated indoor and outdoor facilities. Students will be required to select, schedule, and coordinate external site visits for their class; critique sports and recreational facilities; and complete a comprehensive planning/design project.

### **4345 Legal and Ethical Issues in Sport and Kinesiology 3 hours**

This course is designed as a survey of the legal implications inherent in coaching and teaching physical education. Topics covered include an overview of the legal system; the anatomy of a civil suit; tort law and negligence theory; administrative issues; issues concerning the First, Fourth and Fourteenth Amendments to the Constitution; intentional torts; product liability; contracts; and risk management strategies. When appropriate, the ethical dilemmas associated with coaching and teaching will be discussed. Students will be asked to apply legal theory to case situations. Prerequisite: Junior standing. Fall, Spring.

**4149, 4249, 4349 Special Topics 1–3 hours**

Course topics will vary from year to year. Topics are selected based on the special interests and needs of upper-division physical education students and on the areas of faculty expertise. May be repeated for credit with different topics. A specific course description will be published at the time of offering. Specific topic entered on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

**4150, 4250, 4350****Internship in Kinesiology and Sports 1–3 hours**

This field-based course provides the student with the opportunity to develop and demonstrate diagnostic, organizational, group-processing, and program-planning skills in a business, community, or university setting. Prerequisite: Prospective students must procure internship handbook and contract from course instructor. Permission to enroll in the course will be granted upon subsequent approval of an internship contract by the instructor. Fall, Spring, Summer.

**1151–4157 Practica in Athletic Training 1 hour**

Includes a weekly seminar and a supervised clinical internship. Students receive opportunities for skill development related to concurrent course topics. Each student is required to complete and document a minimum of 300 clock-hours of service under the supervision of a staff athletic trainer in the St. Edward's University Athletic Training Room. These internship hours are part of the required 1,800 clock-hours needed to apply for the State of Texas Licensure Exam and to be eligible for graduation. The 1,800 clock-hours must be accrued in no less than five long academic semesters. Prerequisite: Approval of the instructor.

**1151 Taping, Bandaging and First Aid**

Each student is required to complete and document a minimum of 200 clock-hours of service under the supervision of a staff athletic trainer in the St. Edward's University Athletic Training Room. Fall.

**2152 Upper Extremity Injury Evaluation**  
Fall.**2153 Lower Extremity Injury Evaluation**  
Fall.**2154 Rehabilitation Techniques**  
Spring.**2155 Therapeutic Modalities**  
Spring.**3156 Sports Medicine Program Administration**  
Fall, Spring.**4157 State Licensure Exam Preparation**  
Fall, Spring.**Linguistics (LING)****3330 Introduction to Linguistics 3 hours**

An introduction to the sound and word systems of English, followed by a more thorough study of the syntactic structure of the language. The course considers questions of usage, speech versus writing, semantics and historical change. Fall.

**3331 Topics in Translation 3 hours**

For students of any of the European languages offered (French, German, Spanish). In this course, various techniques will be presented to help students learn, from the art of translation, more about the language they are studying. The language being studied will vary; see course listing each semester. Course may

be repeated as topics vary. Prerequisite: Level IV in one of the above-listed languages. Fall.

**3337 Contrastive Linguistics 3 hours**

The work of this course assumes that students are already somewhat familiar with the basic linguistic systems of English: its phonology, morphology, syntax and semantics and the relation between these systems. The principal focus of the course is practical application of this theory to the teaching of one language to speakers of another, primarily English to Spanish speakers. This involves a constant contrast of the systems of the two languages. Where appropriate, references will be made to speakers of other languages. Prerequisites: Sophomore standing and LING 3330. Spring.

**3339 Language Acquisition and Second-Language Methodology 3 hours**

This course examines the nature of language and linguistic competence, the processes of first-language acquisition and alternative theories of second-language acquisition. In addition, it examines major trends in second-language-teaching methodology with practical application to the classroom, including diagnosis and prescription, lesson planning and demonstrations using appropriate techniques. Prerequisites: EDUC 1330, EDUC 2331 and LING 3330. Fall.

**Management (MGMT)**

**Undergraduate business courses contain a content-relevant ethics component.**

**2301 Principles of Management 3 hours**

Principles of management in organizations and enterprises; scientific management of a functioning enterprise, including functions and relationships of departments; coordination of the activity as a whole. Fall, Spring.

**3332 Human Resources Management 3 hours**

Provides a basic knowledge of current laws, personnel theories and recommended personnel practices. Students learn basic operative functions of personnel administration, including job analysis, training, recruitment, selection, employment testing, compensation management and performance appraisal. Students study relevant labor law and fair-employment practices, including the Civil Rights Act of 1964, the Americans with Disabilities Act and affirmative action programs. Students develop a working knowledge of the most basic aspects of labor-management relations, including collective bargaining and grievance procedures. Fall, Spring.

**3334 Organizational Behavior 3 hours**

A study of human problems in work situations. People are examined as individuals, pairs and groups in organizations. The organization is investigated in its structure and function, including the problems of influence, authority and communication. Fall.

**3338 International Management 3 hours**

This course examines the scope of managing organizations in a global world associated with the shift to a more integrated and interdependent world economy. It provides an examination of the planning, control and influence mechanisms necessary to manage the components of globalization, including markets, production, services, sourcing and intellectual capital. Same as IBUS 3330.

**3340 Operations Management 3 hours**

Study of the design, scheduling and control of systems that make the most economical use of human and capital inputs to create products and services for other companies and



consumers. Topics include capacity planning, facility location and layout, employee and task scheduling, purchasing, and quality management. Prerequisite: BUSI 2305. Fall, Spring.

### **3199, 3399**

#### **Special Topics in Management 1 or 3 hours**

Topical issues in management. May be repeated when topics vary. Prerequisite: Varies with topics.

#### **4343 Problem Solving and Decision Making 3 hours**

This course uses a problem-solving process that includes managing teams, creating scenarios, making decisions, resolving conflicts, communicating with stakeholders and implementing plans. The course will be based around a company that includes corporate social responsibility in its mission and operates in the global environment. Prerequisite: MGMT 2301 and junior standing. Fall.

## **Marketing (MKTG)**

**Undergraduate business courses contain a content-relevant ethics component.**

#### **2301 Principles of Marketing 3 hours**

Studies the interaction of the marketing mix and other activities designed to plan, price, promote and distribute products and services to present and potential customers. The course incorporates current developments in marketing, including the changing technological environment and increased globalization of marketing, to acquaint students with present-day marketing challenges. Fall, Spring.

#### **3331 Marketing Promotions 3 hours**

Analysis and application of promotional practices used in marketing including advertising, sales promotion, personal selling, direct marketing, public relations, licensing and sponsorships. Integrated marketing communications principles serve as the basis for course learning activities. Social and economic consequences of promotional practices are explored, including their relationship to other business functions. Prerequisite: MKTG 2301.

#### **3332 Sales and Sales Management 3 hours**

This course is intended to develop practical skills and strategic thinking related to selling and the management of sales functions. Topics include prospecting, handling objections, closing sales, forecasting, budgeting, organizing and motivating the sales force. Cases, role playing and discussion are important elements of the course. Prerequisite: MKTG 2301.

#### **3333 Principles of Retailing 3 hours**

The objective of this course is to provide students with the tools necessary to understand and evaluate retailing from the perspectives of the consumer, the organization and society. Specific attention will be given to retailing's economic impact on the community and the economic wealth of the nation. Retailing's focus on the consumer involves an investigation of ethics, social responsibility and research techniques. Prerequisite: MKTG 2301.

#### **3334 Branding 3 hours**

This course is intended to provide students with an increased awareness of branding issues and branding-related concepts. The main areas of study are elements of brand, consumers' relationships with their brands, brand management, brand communication strategies and measurement issues in branding. Prerequisite: MKTG 2301.

#### **3336 Consumer Behavior 3 hours**

Understanding the behavior, motivations and actions of

consumers in society is fundamental to understanding markets and marketing. The main objective of the course is to understand the psychological, socio-cultural, and economic behavior of individuals, groups, and organizations and the processes they use to select, consume, and dispose of products, services or ideas. Prerequisite: MKTG 2301. Fall.

#### **3343 Marketing Research 3 hours**

The purpose of marketing research is to help a firm make better marketing decisions. This class involves the exploration and hands-on application of a variety of marketing-research techniques with the goal of collecting data in an efficient and effective manner. Emphasis on process-related issues with a focus on matching the information sought with an appropriate research method. Students will design, plan, execute and evaluate a basic marketing-research study. Prerequisites: BUSI 2305 and MKTG 2301. Fall.

#### **3381 Entrepreneurial Marketing 3 hours**

This course covers the strategies that entrepreneurial companies utilize in marketing products and services with minimal marketing budget or resources. This course includes the tactics, advantages and disadvantages of various marketing methods that are unique to the entrepreneur. Students develop marketing and entrepreneurship methods theories using Internet research. Significant course time uses case analyses culminating in student recommendations on a wide range of marketing issues impacting small and medium-sized enterprises. Same as ENTR 3384. Prerequisites: ENTR 3381 and MKTG 2301. Fall.

#### **3399 Special Topics in Marketing 3 hours**

Topical issues in Marketing. May be repeated when topics vary. Prerequisite: Varies with topics.

#### **4341 International Marketing 3 hours**

An inquiry into the marketing structure, organization, policies and procedures in international marketing. The impact of foreign competition in domestic markets is considered, along with challenges in penetrating foreign markets. Effects of U.S. and foreign antitrust, taxation and regional trade agreements are explored. Readings, discussion, cases and individual and group assignments are used. Same as IBUS 4341. Prerequisite: MKTG 2301. Fall, Spring.

#### **4345 Advanced Marketing Management 3 hours**

This is a senior-level course covering the application of essential principles of marketing as they relate to identifying, attracting and retaining customers and clients. Using an applied-case approach, students learn how to create and execute effective marketing plans for either profit or nonprofit organizations. The course contains significant components of critical and creative thinking as students solve problems related to ongoing marketing issues. The course is required for all Marketing majors. Prerequisites: MKTG 2301, MKTG 3336, MKTG 3343 and senior standing. Spring.

## **Mathematics (MATH)**

#### **0309 Basic Mathematics 3 hours**

A developmental mathematics course designed for students who need to improve their skills before enrolling in a college mathematics course. Students may be required to take Basic Mathematics on the basis of their placement scores. Topics include a review of arithmetic, basic algebra, word problems, geometry, graphical representation of data, percent applications, solving equations, and factoring. This course is self-paced with individualized assistance. Grades assigned are A or N. Successful completion of all modules is required for grade of A. Credit for MATH 0309 may not be counted as part of the minimum

hours required for graduation nor earned as credit for students who have received credit in MATH 1312 or above. Fall, Spring.

**1312 Mathematics for the Liberal Arts 3 hours**

A course in general quantitative literacy, intended for the non-Science, non-Mathematics major. Topics include methods of problem solving, real number operations and applications, mathematical modeling, basic finance, geometry and symmetry, voting and apportionment, networks and graph theory, and elementary probability and statistics. Credit for MATH 1312 may not be earned by persons who have received a C in MATH 1314 or above. Prerequisite: Two years of college-preparatory high school algebra or equivalent skills. Fall, Spring, Summer.

**1314 College Algebra 3 hours**

A traditional college algebra course intended for students who plan to take further courses in Mathematics or prepare for graduate school admission. Topics include real number and polynomial operations, linear and quadratic equations and inequalities, functions and graphing, systems of equations and inequalities, exponential and logarithmic functions, and the use of technology to graph and solve equations. Credit for MATH 1314 may not be earned by persons who have received a C in MATH 2312 or above. Prerequisite: Two years of college-preparatory high school algebra or equivalent skills. Fall, Spring, Summer.

**1335 Mathematics for Elementary Teachers 3 hours**

A course based on the NCTM standards designed to develop understanding of arithmetic principles essential for elementary school teachers. Topics include methods of problem solving, sets, functions, numeration systems, integers, number theory, rational numbers, exponents, decimals and application problems. Teaching methods are demonstrated, but the focus of the course is on content. Prerequisite: MATH 1312 or above. Spring.

**1336 Geometry for Elementary Teachers 3 hours**

A course based on the NCTM standards designed to develop understanding of geometric principles essential for elementary school teachers. Topics include basic notions of points, lines, planes and angles; polygonal curves; geometry in three dimensions; networks; constructions, congruence and similarity; motion geometry and tessellations; concepts of measurement; and coordinate geometry. Teaching methods are demonstrated, but the focus of the course is on content. Prerequisite: MATH 1312 or above. Fall.

**2312 Precalculus 3 hours**

Focuses on the ideas central to the theory of functions and stresses conceptual understanding, along with multiple ways of representing mathematical ideas, including symbolic, graphical, numerical and verbal representations of functions. Topics include functions in general; linear, exponential, logarithmic, polynomial and trigonometric functions; transformation, composition, combination and inverses of functions; and the use of technology to graph and solve equations. Prerequisite: Two years of college-preparatory high school algebra or MATH 1314. Credit for MATH 2312 may not be earned by persons who have previously received a C in MATH 2313 or above. Fall, Spring, Summer.

**2113 Calculus I Laboratory 1 hour**

Laboratory experience includes use of computer algebra and graphing software in calculus, as well as discovery-based learning projects and small-group work to further and more deeply explore concepts and techniques discussed in the lecture (Calculus I). Students will also complete projects in which they investigate uses of calculus to applied problems. Students

enrolled in 2113 must also be enrolled in 2313 unless prior credit was earned (equivalent to 2313). Prerequisite or co-requisite: MATH 2313. Fall, Spring.

**2313 Calculus I 3 hours**

A first course in calculus, covering limits and continuity, derivatives, linear approximations, applications including graphs and extrema, definition and properties of the integral and the Fundamental Theorem of Calculus, and anti-differentiation. This course presents a threefold approach to calculus: Numerical, graphical and analytical techniques are all emphasized. Students enrolled in MATH 2313 MUST also enroll in MATH 2113 unless prior credit was earned. Prerequisite: MATH 2312 or equivalent. Fall, Spring, and offered on sufficient demand in Summer.

**2314 Calculus II 3 hours**

A continuation of MATH 2313. Topics include applications of the integral, additional techniques of anti-differentiation, improper integrals, introduction to differential equations, Taylor polynomials and Taylor series, and the Mean Value Theorem. Prerequisites: MATH 2113, MATH 2313 or equivalent, and knowledge of trigonometry. Fall, Spring, and offered on sufficient demand in Summer.

**2315 Discrete Mathematics 3 hours**

An introduction to topics in discrete mathematics that are commonly used in computer science and mathematics: sets; number systems; functions, mappings and algebraic structures; understanding written mathematics and the nature of proof; formal logic; combinatorics and discrete probability. Prerequisites: MATH 2312 or equivalent; previous or concurrent enrollment in COSC 1313 or COSC 1323/COSC 1123. This course satisfies the mathematics major/minor elective requirement only if taken prior to, or concurrent with, MATH 3318. Spring; Fall on sufficient demand.

**2321 Calculus III 3 hours**

Calculus of multivariable functions. Topics include graphs in two and three dimensions, contour diagrams, partial derivatives, vectors, gradients and directional derivatives, optimization, multiple integration, parametric curves and surfaces, vector-valued functions, arc length, and calculus of vector fields. Prerequisites: MATH 2113, MATH 2313 and MATH 2314. Fall; Spring on sufficient demand.

**3305 Linear Algebra 3 hours**

Systems of equations, determinants, algebra and geometry of finite-dimensional linear vector spaces, linear transformations, the algebra of matrices, and the theory of eigenvalues and eigenvectors. Prerequisite: MATH 2113/MATH 2313. Spring.

**3307 Mathematical Modeling in Biology 3 hours**

An introduction to ordinary differential equations and their applications to biology. Topics include first-order differential equations, first-order systems, linear systems, nonlinear systems, forcing and resonance, numerical methods, and dynamical systems, as time permits. Biological modeling and examples drawn from research articles in biology will be incorporated throughout the course. Same as BINF 3307. Prerequisite: MATH 2314, BIOL 1307/1107 and BIOL 1308/1108. Spring, on sufficient demand.

**3310 Differential Equations 3 hours**

An introduction to ordinary differential equations. Topics include first-order differential equations, first-order systems, linear systems and parts of nonlinear systems, forcing and resonance, and numerical methods, as time permits. Modeling

will be incorporated throughout the course as will a dynamical-systems point of view. Students will be expected to make use of computers as part of the course. Critical thinking will be stressed throughout. Prerequisite: MATH 2314; recommended prerequisite: MATH 2321 with a grade of C or better. Fall.

### **3316 Advanced Calculus 3 hours**

A rigorous treatment of the real-number system; of real sequences; and of limits, continuity and derivatives of functions of one real variable. Prerequisite: MATH 2314 and MATH 3318 with a grade of C or better, or consent of instructor. Fall.

### **3317 Elementary Real Analysis 3 hours**

Includes a rigorous treatment of the Riemann integral, sequences of real functions, uniform convergence, infinite series, series of functions, introduction to metric spaces and other topics as time allows. Prerequisite: MATH 3316 or consent of instructor. Spring, even-numbered years.

### **3318 Inquiry and Proof 3 hours**

A rigorous, guided-inquiry to proof techniques and logical exposition. The content and additional learning objectives for the course will be set in a particular mathematical context (such as point-set topology or elementary number theory) specified each year in the course title. Prerequisite: 6 hrs MATH 2313 or higher with grade of C or better, or instructor authorization.

### **3320 Applied Statistics 3 hours**

A first course in applied statistics emphasizing statistical thinking using real and computer-generated data. Topics include data description, hypothesis testing using z-test, t-test, chi-squared, linear regression and ANOVA. MINITAB software is used extensively. With a grade of C or higher this course satisfies the general education computational requirement. Prerequisite: MATH 2113/MATH 2313. Fall, Spring, Summer.

### **3322 Biostatistics 3 hours**

An introduction to statistical methods and their application to biology. Topics include multiple regression, two-way ANOVA, non-parametric tests, experimental design, Markov chains and hidden Markov models. Biological examples will be emphasized throughout. Same as BINF 3322. Prerequisites: MATH 3320, BIOL 1307/BIOL 1107 and BIOL 1308/BIOL 1108. Offered on sufficient demand.

### **3334 Probability and Theory of Statistics 3 hours**

A calculus-based first course in the mathematical theory of probability and statistics. Topics include basic probability theory, random variables, special distributions and estimation. Prerequisite or co-requisite: MATH 2321. Fall.

### **3338 Numerical and Scientific Methods 3 hours**

A survey of standard techniques used to solve numerical and other science-based problems. Topics include roots of equations, systems of linear equations, curve fitting, numerical integration and differentiation, error analysis, number representation, and data visualization. Problems will be solved using programs written in appropriate languages and operating systems. Same as BINF 3338 and COSC 3338. Prerequisites: MATH 2314 and COSC 1323/COSC 1123. Offered on sufficient demand.

### **3341 Optimization Techniques 3 hours**

A survey of selected techniques used in determining optimal solutions to mathematical problems encountered in logistics, planning and management settings. Topics include linear programming via the simplex method, network models, discrete and continuous system modeling and simulation, Monte Carlo techniques, probability, and statistics. Appropriate linear-programming and simulation software will be used on

appropriate platforms. Same as COSC 3341. Prerequisites: MATH 2113, MATH 2313, MATH 3320 or MATH 3334, and COSC 1323/COSC 1123. Offered on sufficient demand.

### **3345 Special Topics in Mathematics 3 hours**

Topics are selected based on needs and interests of students and can vary from year to year. May be repeated for credit with different topics. A specific course description will be published at the time of offering. Specific topic entered on transcript. Recent topics have included Mathematical Biology, Modern Geometries. Prerequisite: Varies with topic. Offered on sufficient demand.

### **4331 Introduction to Complex Analysis 3 hours**

The complex plane, Cauchy-Riemann equations, complex integration, Cauchy integral theorem, conformal mapping, applications. Prerequisite: MATH 3316 or consent of instructor. Spring, odd-numbered years.

### **4332 Real Analysis 3 hours**

The Banach space  $C(a, b)$ , Lebesgue integration,  $L_p$  spaces, Fourier series. Prerequisite: MATH 3316 or MATH 3317. Offered on sufficient demand.

### **4334 Modeling and Simulation 3 hours**

An overview of modeling and simulation techniques. Topics include discrete and continuous system modeling, queuing models, probability and statistics in simulation, Monte Carlo simulations, design and analysis of simulation experiments, and use of available simulation languages. Same as COSC 4334. Prerequisites: MATH 3320 and COSC 1323/1123. Offered on sufficient demand.

### **4342 Abstract Algebra 3 hours**

Elementary properties of groups and rings, symmetric groups, properties of integers, polynomial rings, fields. Prerequisites: MATH 3318 and MATH 3305, or consent of instructor. Fall

### **4343 Topology 3 hours**

An introduction to topology, including sets, functions, properties of topological spaces and metric spaces. Prerequisite: MATH 3318 or consent of instructor. Spring, odd-numbered years.

### **4344 Advanced Topics 3 hours**

Courses will vary from year to year. Topics are selected based on the special interests and needs of upper-division Mathematics students and on the areas of faculty expertise. May be repeated for credit with different topics. Recent topics have included Number Theory, Algebraic Geometry. A specific course description will be published at the time of offering. Specific topic entered on transcript. Prerequisite: Varies with topic. Offered on sufficient demand.

### **4146, 4246, 4346 Independent Study 1–3 hours**

Supervised independent investigation of advanced mathematics topics. The course permits students to further their study of specialized areas in which they have already acquired considerable expertise. A particular topic will be offered only with the prior approval of the instructor. May be repeated for credit with different topics. Specific topic entered on transcript. Prerequisite: Fifteen hours of Mathematics numbered 2321 or above and consent of the instructor. Offered on sufficient demand.

### **4150 Internship in Mathematics 1 hour**

An internship at a cooperating work site. Students will be required to keep a log of each day's activity. Offered with prior approval of the cooperating work site. Requires a minimum of 60 hours per semester of working time for each semester hour

of credit. Prerequisites: 21 hours of Mathematics and consent of the instructor. Fall, Spring, Summer.

## 4157 Research 1 hour

A multi-semester course for students conducting research. Content varies with semester. Students will learn research methodology and how to search relevant literature and databases within mathematics, read and analyze research articles, identify a feasible research problem, craft a proposal and summary of the question, and present this proposal in written and oral form. Students will conduct an independent investigation of their research question under the supervision of a faculty member, documenting 60 hours of work per term, and will present their findings in written and oral form each semester. Students will present a public seminar and formal paper in the senior year based on results obtained during the investigation of their research question. May be repeated for credit. Prerequisites: MATH 3318, junior or senior standing, and consent of the instructor. Fall, Spring.

## Military Science (MILS)

The following courses are offered on the campus of the University of Texas. They are entered on the St. Edward's transcript. Students interested in the ROTC program should contact the Department of Military Science (Army) at the University of Texas. See page 21.

### 1000 Leadership Laboratory 0 hours

Leadership responsibilities for planning, coordination, execution and evaluation of training and other activities, self-confidence and team-building leadership skills that can be applied throughout life. Co-requisite: Concurrent enrollment in another Military Science course.

### 1201 Introduction to Army & Critical Thinking 2 hours

Designed to increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations and basic marksmanship. Fundamental concepts of leadership in a profession. Co-requisite: Enrollment in MILS 1000.

### 1203 Adaptive Leadership & Professional Competence 2 hours

Principles of effective leading. Designed to reinforce self-confidence through participation in physically and mentally challenging exercises with upper-division ROTC students. Communication skills that improve individual performance and group interaction. Relationship of organizational ethical values to the effectiveness of a leader. Co-requisite: Enrollment in MILS 1000.

### 2210 Leadership & Decision Making 2 hours

Ethics-based leadership skills designed to develop individual abilities and contribute to effective team building. Focus on oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. Fundamentals of ROTC's Leadership Assessment Program. Co-requisite: Enrollment in MILS 1000.

### 2212 Leadership & Team Development 2 hours

Introduction to individual and team aspects of military tactics in small-unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security and methods of pre-examination

checks. Practical exercises with upper-division ROTC students. Techniques for training others as an aspect of continued leadership development. Co-requisite: Enrollment in MILS 1000.

### 3320 Adaptive Team Leadership 3 hours

Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Use of small-unit defense tactics and opportunities to plan and conduct training for lower-division students. Co-requisite: Enrollment in MILS 1000.

### 3321 Applied Team Leadership 3 hours

Continued study of methods covered in MILS 3320. Students analyze tasks; prepare written or oral guidance for team members to accomplish tasks; delegate tasks and supervise; plan for and adapt to the unexpected in organizations under stress; examine and apply lessons from leadership case studies; examine the importance of ethical decision making in enhancing team performance. Co-requisite: Enrollment in MILS 1000.

### 4375 Mission Command and Army Professionalism 3 hours

Military leadership and professional ethics; post and installation support system; introduction to the military justice system. Co-requisite: Enrollment in MILS 1000.

### 4376 Leadership in a Complex World 3 hours

Fundamentals of the military justice system; training and logistical management systems; military social functions; role of the second lieutenant. Co-requisite: Enrollment in MILS 1000.

### 4379 Selected Topics on Army Leadership (V-A) 3 hours

Advanced study and research on historic and contemporary military subjects and events. Co-requisite: Enrollment in MILS 1000.

### 4380 Selected Topics on Army Leadership (V-B) 3 hours

Advanced study and research on historic and contemporary military subjects and events. Co-requisite: Enrollment in MILS 1000.

## Modern Languages (MDLN)

Six hours of the same contemporary language are required to fulfill the university's modern language requirement.

### 1310 Topics in Culture 3 hours

Taught in English. Introduction to the culture of a specific country or region. The course will include the geography of the area and its neighbors; contemporary values; religious, social and political structures; the historical development of cultural norms, customs, and popular and fine arts of the people. Course may be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., CHIN 1310, Introduction to Chinese Culture). Offered on sufficient demand.

### 1311 Topics in Language I (Introductory Level) 3 hours

A beginning course in the language stressing comprehension, speaking, reading and writing skills. May be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., CHIN 1311, Chinese I). Offered on sufficient demand.

### 1312 Topics in Language II (Introductory Level) 3 hours

Continuation of development of fundamental language skills, further development of vocabulary and grammatical structures



needed for basic competence. May be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., CHIN 1312, Chinese II). Prerequisite: MDLN 1311 in the same language or consent of the instructor. Offered on sufficient demand.

**2311 Topics in Language III (Intermediate Level) 3 hours**

Continued development of vocabulary, listening comprehension, reading and writing skills. Reading and writing assignments reinforce students' command of more-complex grammatical structures and provide topics for oral discussion. May be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., CHIN 2311, Chinese III). Prerequisite: MDLN 1312 in the same language or consent of the instructor. Offered on sufficient demand.

**2312 Topics in Language IV (Intermediate Level) 3 hours**

Continuation of development of intermediate-level skills in listening comprehension, speaking, reading and writing. Cultural and literary readings are added to increase exposure to the language and to provide topics for discussion and short oral presentations. May be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., CHIN 2312, Chinese IV). Prerequisite: MDLN 2311 in the same language or consent of the instructor. Offered on sufficient demand.

**3331 Advanced Topics 3 hours**

This may be advanced language study or advanced study of the traditions, values, literature, institutions or arts of the area. May be taught in English or in the appropriate modern language. May be repeated as topics change. The class schedule and transcript will show the specific language and course title (e.g., RUSS 3331, Modern Russian Literature). Prerequisite: MDLN 2312 in the same language or consent of the instructor. Offered on sufficient demand.

## Music (MUSI)

**1101 Basic Musicianship 1 hour**

This course is an entry-level course for students with no formal training in music reading or ear training. The course covers note reading, musical terminology, basic harmonic concepts and basic sight-singing. Suggested for students with minimal music-reading ability who wish to enroll in MUSI 1300 or any of the advanced music ensembles. Fall, Spring.

**1300 Fundamentals of Music Theory 3 hours**

An examination of the elements of music in isolation and combination. It includes a review of notation, analysis of melody in relation to a tonal center, intervals, rhythm, sight-singing and an introduction to harmony. Prerequisite: MUSI 1101 or permission of the instructor. Basic piano skill is needed. Fall only.

**1308 Survey of Music Literature in Western Culture 3 hours**

An introduction to style characteristics and composers of the major historical periods in the music of the Western world. Class will include selected readings, recordings and performances. Fall, Spring.

**1116 Ear Training and Sight-Singing 1 hour**

Notating and sight-singing basic melodies, harmonies and rhythms based on the diatonic scale. Recommended in conjunction with MUSI 1300. Fall.

**1141 St. Edward's University Chorale 1 hour**

Choral work with repertoire selected from classical music, liturgical music and art music. May be repeated for credit each semester as repertoire changes each term. Open to all students. Fall, Spring.

**1151 St. Edward's Orchestra 1 hour**

Orchestral works studied and performed from various historical time frames from Renaissance to modern times. Students with previous experience playing string, woodwind, brass or percussion instruments are invited to join. May be repeated for credit each semester as repertoire changes each term. Instructor permission required.

**1161 Chamber Music Ensemble 1 hour**

Instrumentalists from the campus community join to form a larger ensemble (orchestra, wind ensemble, etc.) and smaller instrumental ensembles (string quartets, piano trio, brass quintets, etc.). All advanced beginners through advanced players welcome. May be repeated for credit. Fall, Spring.

**1271 Fundamentals of Guitar 2 hours**

Designed for students with no previous guitar study, this group class will introduce students to the guitar and to musical notation. Students must supply their own instruments. Fall, Spring.

**1281 Piano Class I 2 hours**

Introduction to the instrument and musical notation. Music 1281 is designed for students with no previous study. Class instruction. Fall, Spring.

**1282 Piano Class II 2 hours**

Music 1282 is the continuation of the work begun in Music 1281 and is also designed for students who wish to review beginning piano. Class instruction. Fall, Spring.

**1283 Fundamentals of Singing 2 hours**

Class instruction in beginning vocal methods, with an emphasis on voice production, breathing and diction. Basic musicianship in music reading and notation will be a course component. Fall, Spring.

**2125 St. Edward's Mariachi Alas de Oro (Wings of Gold) 1 hour**

St. Edward's University's Mariachi Alas de Oro (Wings of Gold) is an instrumental ensemble performing classical and popular music of Mexico. Open to students proficient in violin, trumpet, guitar and voice. May be repeated for credit each semester. Group represents the university at public events in authentic uniforms of blue and gold.

**2140 Omni Singers 1 hour**

A select group of singers and dancers who perform musical theater, show and pop music. Performances include singing, some choreography and acting, depending upon the composition of the group. May be repeated for credit. Prerequisite: By audition only; instructor permission.

**2143 Applied Voice 1 hour**

Private instruction in methods for voice. May be repeated for credit. Prerequisites: MUSI 1283 and MUSI 2223, or instructor's permission. Fall and Spring.

**2153 Applied Instrument 1 hour**

Private instruction methods for reed, brass or string instruments. May be repeated for credit. Instructor's permission required. Students must also be a participant in a St. Edward's Music Ensemble or a registered Music minor. Fall, Spring.

**2162 Jazz Lab Band 1 hour**

This ensemble is open to musicians with beginning to

intermediate experience with jazz. May be repeated for credit. Prerequisites: Ability to read music, provide your own instrument, and instructor's permission. Fall, Spring.

## **2170 Applied Guitar 1 hour**

Private instruction in advanced methods of guitar. May be repeated for credit. Students must provide their own instruments. Prerequisites: MUSI 1271 and MUSI 2272 or permission of instructor. Students must also be a participant in a St. Edward's Music Ensemble or a registered Music minor. Fall, Spring.

## **2272 Guitar Techniques 2 hours**

For students with an intermediate level of guitar technique and music-reading ability. Students will continue to learn primary fundamentals of chorded and fingered notation. Various approaches to techniques and style will be introduced as well. Class instruction. Students must supply their own instruments. Prerequisite: MUSI 1271 or permission of instructor. Fall, Spring.

## **2180 Applied Piano 1 hour**

Private instruction in advanced methods for piano. May be repeated for credit. Prerequisite: Instructor's permission. Students must also be a participant in a St. Edward's Music Ensemble or a registered Music minor. Fall, Spring.

## **2284 Piano Class III 2 hours**

Stresses execution of touches, use of the damper pedal and performance of literature of contrasting styles. Class instruction. May be repeated once for credit. Prerequisites: MUSI 1281 and MUSI 1282 or permission of the instructor. Fall, Spring.

## **3330 Music for the Classroom Teacher 3 hours**

Designed for elementary school teachers to give them a basis in the fundamentals of music and music self-expression. Also appropriate for anyone directing musical activities for children or young people outside the school setting.

## **3236 Survey of Musical Theater 2 hours**

This course will focus on the history of the American musical, its roots and its evolution. Students will learn about the prominent composers, lyricists, performers, directors, choreographers and producers of Broadway. Attention will also be paid to specific shows and the characters and songs contained in each for knowledge for potential casting and audition material. Fall, even-numbered years.

## **3337 Music Theory and Counterpoint 3 hours**

This course covers the basics of melody, harmony, chord progressions, modulations, composition and arranging for four-part voices, as well as combinations of instruments. Two-, three- and four-part inventions are studied, analyzed and composed. Prerequisites: MUSI 1300. Spring only.

## **3142 Madrigal Chamber Choir 1 hour**

A select group of singers who perform madrigal-style music from all periods. Music-reading skills required. Prerequisite: By audition only; instructor permission.

## **3163 St. Edward's Jazz Band "Steady" 1 hour**

This ensemble is open to musicians with intermediate to advanced experience with jazz, music reading and ensemble playing. Improvisational skills are necessary. May be repeated for credit. Prerequisites: Ability to read music, provide your own instrument and instructor's permission. Fall, Spring.

## **3175 Guitar Ensemble 1 hour**

This ensemble features ensemble-oriented music for guitarists. The group performs at university functions and around the Austin area. The repertoire for the ensemble ranges from classical to contemporary. May be repeated for credit.

Prerequisite: Instructor's permission. Fall, Spring.

## **4224 Musical Theater and Opera Workshop 2 hours**

The workshop is designed to train singers in performance preparation. The course covers such topics as diction for the singer, music preparation, character study, musicological and dramaturgical work for the performer. Prerequisites: Permission of instructor and MUSI 4243. May be repeated for credit. Spring.

## **4243 Applied Voice 2 hours**

Private instruction in advanced methods for voice. May be repeated for credit. Prerequisites: MUSI 1283 and MUSI 2223, or instructor's permission. Fall, Spring.

## **4144 Vocal Jazz Ensemble 1 hour**

Performance group for advanced voice students. May be repeated for credit. Fall, Spring.

## **4348 Musical Theater Audition and Performance 3 hours**

A workshop for seniors in the Musical Theatre emphasis to prepare them for professional and graduate school auditions following graduation. Spring.

## **4350 Internship in Music 3 hours**

Designed to meet students' needs for continued development in music performance or other aspects of music, such as stage management or marketing/coordinating of musical events. May be repeated for credit. Prerequisite: Instructor's permission.

## **4254 Applied Instrument 2 hours**

Private instruction in advanced methods for reed, brass or string instruments. May be repeated for credit. Instructor's permission required. Students must also be a participant in a St. Edward's Music Ensemble or a registered Music minor. Fall, Spring.

## **4273 Applied Guitar 2 hours**

Private instruction in advanced methods of guitar. May be repeated for credit. Students must provide their own instruments. Prerequisite: MUSI 1271 and MUSI 2272, or permission of instructor. Fall, Spring.

## **4285 Applied Piano 2 hours**

Private instruction in advanced methods for piano. May be repeated for credit. Prerequisite: Instructor's permission. Fall, Spring.

## **4199, 4299, 4399 Special Topics in Music 1–3 hours**

This course will examine a specific advanced topic in music. Possible topics include music history, composition or instrumental music. Course may be repeated as topics vary.

# New College

**Courses exclusive to New College are described and listed in the 2015–2016 *New College Bulletin* and online.**

# Philosophy (PHIL)

**Courses marked with + may be taken to fulfill the university requirement for an ethics course.**

## **1301 Introduction to Philosophy 3 hours**

This introductory-level course pursues an understanding of understanding. More specifically, it focuses on what becoming educated involves, on what learning in a variety of disciplines requires. Put another way, the primary purpose of the course is to encourage attention to our own minds at work. But minding our minds is not easy. For the most part, we have been educated

out of our minds. That is, prior schooling routinely neglected attention to questioning, guessing, evaluation; instead, it emphasized answers, new vocabulary, prepackaged information. The result, not surprisingly, is that what is closest to us (our own thinking) remains most remote (unfamiliar). The course challenges this neglect of our own minds. Fall.

### **2303 Logic** **3 hours**

The use of reasoning to construct an argument is one of the most powerful tools available to seekers of wisdom. Starting from certain premises, one builds to a conclusion. Each step in reasoning comprises an inference. Logic is the study of reasoning, of argument and inference. It is basic to all the sciences and humanities as well as to philosophy and mathematics. While logic has fundamental applications in law, mathematics and computer science, we derive its greatest benefit in increased sensitivity to, understanding of and ability to use language. Logic can help our communication skills and help us develop convincing defenses of our viewpoints. It can help us better understand what we read and hear and reduce our gullibility. This introductory course assumes no prior study of logic. Fall.

### **2316 History of Philosophy I** **3 hours**

This course covers a period of almost a thousand years, beginning with the Greeks circa 600 B.C. and continuing through the transition from the classical to the medieval period. Students are introduced to the ways major philosophical and religious figures in the ancient world variously understood God, human beings and the universe. It is thus the study of the intellectual roots of Western civilization. Emphasis is on primary sources with concentration on the Pre-Socratics, Socrates, Plato, Aristotle and the transition to a distinctively Christian worldview as represented by St. Thomas Aquinas. Fall, odd-numbered years.

### **2317 History of Philosophy II** **3 hours**

Surveys the modern period of Western philosophy with special attention to Descartes, Hume, Kant, Hegel, Marx, Kierkegaard and Nietzsche. Prerequisite: Three hours of PHIL or permission of instructor. Spring, even-numbered years.

### **2318 History of Philosophy III** **3 hours**

This course will focus on contemporary philosophy either by surveying a single intellectual movement (e.g., phenomenology, analytical philosophy, poststructuralism) or by selecting several major philosophers representative of different movements (e.g., Heidegger, Davidson, Derrida). Prerequisite: Three hours of PHIL or permission of instructor. Fall, even-numbered years.

### **2329 Ethical Analysis+** **3 hours**

Philosophical ethics can be described as the attempt to think clearly and deeply about fundamental moral questions that arise for us as humans. Ethics is concerned with evaluating appropriate action, proper character, the characteristics of the good life and what is involved in acting rightly. The course explores readings in foundational ethical theory, including the systematic analysis of moral beliefs, as well as the application of ethical theory to particular issues in applied ethics, such as punishment and suicide, physician-assisted suicide, and euthanasia. Fall and Spring.

### **3301 Legal Ethics+** **3 hours**

The readings and course activities will help students to understand (1) the relationship of law and morality, (2) notions of justice in different legal philosophies, (3) the potential corruption of law by ideology, and (4) contemporary ethical quandaries of practitioners. Fall.

### **3302 Ethics and Public Policy+** **3 hours**

The course is divided into three sections: (1) the foundations of ethics and public policy; (2) the methodical analysis of policy proposals; and (3) the application of theory and method to contemporary controversies. The primary learning objectives are (a) recognizing in ourselves the operations of intelligent planning and moral deciding that are preconditions to effective policymaking and (b) making deliberate and controlled use of these operations in clarifying and criticizing policy recommendations. Spring.

### **3310 Special Topics in Philosophy** **3 hours**

Different philosophical topics may be offered. Course may be repeated as topics vary.

### **3311 Medical Ethics+** **3 hours**

In this course students will explore moral concerns and ethical decision making in medicine and health care. Topics include, but are not limited to, health care reform, informed consent, competency, surrogate decision making, quality-of-life decision making, decisions about allowing death, futility and allocation of scarce health care resources. The class will also analyze concerns regarding equity, justice and individual rights to health care.

### **3312 Environmental Ethics+** **3 hours**

In this course students will explore moral concerns and ethical decision making with regard to the environment. Topics include, but are not limited to, individual, corporate and state freedoms and responsibilities, permissible uses of animals, and comparison of strategies for protecting natural resources, as well as case studies regarding equity, justice, and individual and community rights to environmental resources.

### **3313 Business Ethics+** **3 hours**

In this course students will explore moral concerns and ethical decision making in business circumstances and the corporate environment. Topics include, but are not limited to, individual and corporate freedoms and responsibilities, the virtues and vices of corporate behavior, and individual and corporate rights, as well as case studies regarding equity and justice.

### **3331 Philosophy of Religion** **3 hours**

This course explores the complex relations between religion and culture. From a variety of perspectives, the class studies how different communities have experienced and understood human spirituality and how they have symbolized, evaluated and acted upon that understanding. Prerequisite: Three hours of PHIL or permission of instructor. Fall, odd-numbered years.

### **3336 Great Texts** **3 hours**

In keeping with the great books tradition, sections of this course offer opportunities for reading and discussing classic texts of Western civilization. Reading lists vary, so this course may be repeated for credit. The course is open to all undergraduates, but upper-division standing and some familiarity with major figures in intellectual history are recommended.

### **3337 Theory of Knowing** **3 hours**

This course investigates the complex process of human knowing, its basic structure and its limitations. Emphasis is placed on the students' discovery of their own cognitional abilities as a basis for evaluating conflicting theories about human knowing. Prerequisites: Six hours of Philosophy. Fall, even-numbered years.

### **3339 Advanced Logic** **3 hours**

Building on the basic skills of PHIL 2303, this course offers more-advanced consideration of sequential logic, first-order predicate logic and modal logic (logic of possibility and necessity). Topics will include complex argument recognition,

construction, structure and evaluation, as well as meta-theoretical topics, such as the soundness and completeness of logical systems. Prerequisite: PHIL 2303 or permission of instructor.

**3340 Philosophy of Science 3 hours**

This course will introduce students to basic themes in the philosophy of science. Topics to be covered include, but are not limited to, (1) Aristotle's philosophy of science; (2) the medieval refinement and critique of Aristotle's philosophy of science; (3) the competitive interplay of the Scholastic, mechanistic and Newtonian philosophies of science during the scientific revolution; (4) the philosophical debates during the Darwinian revolution among competing accounts of everything from empirical data and axiology to theology; (5) the nature of scientific change (with particular emphasis on Thomas Kuhn's work); (6) scientific explanation (with attention given to covering law models, pragmatism and agent causation); (7) scientific confirmation and the problem of induction (with special attention paid to Hume's famous critique of induction and subsequent responses to his challenge); and (8) the realism/anti-realism debate (emphasizing *inter alia* van Fraassen's constructive empiricism and Churchland's realist critique). Fall, odd-numbered years.

**4341 Directed Readings 3 hours**

Special elective: Research for advanced students in primary works of philosophy. Although not required, it is recommended that students enrolling in Directed Readings have a prior background in the history of philosophy. Prerequisite: Six hours of Philosophy. Fall.

**4342 Senior Seminar 3 hours**

Course modeled on the graduate seminar: Primary sources researched and the results defended. Specialized interests of advanced Philosophy students are provided with a forum for exchange and debate. Prerequisite: Six hours of Philosophy. Spring.

**4350 Internship in Philosophy 3 hours**

This course allows students to apply their knowledge of philosophy to a work situation. If this course is taken as part of the Professional Ethics minor, an experiential learning project is required. The project should involve active participation in organizational activities and written reports. The Philosophy faculty will be responsible for approving the design and for evaluating the projects. May be repeated for credit. Prerequisite: Consent of instructor.

## Photocommunications (PHCO)

Transfer or New College students are required to submit portfolios for review by Photocommunications faculty before registering for courses where transfer credit for prerequisites has been given. See course descriptions. Students will be expected to provide their own storage device to save work generated in some Photocommunications classes.

**1318 Photography I 3 hours**

This is an introductory course in basic photography and visual literacy with an emphasis on discovery and creativity. Students learn about film, light and basic camera operation and are introduced to black-and-white processes. No prior experience is necessary. Significant time in lab required on weekly basis. Students should plan to spend approximately \$300 on materials over the course of semester. Fall, Spring.

**1319 Photography II 3 hours**

This course continues to develop 35 mm camera and darkroom skills, including refinements in film exposure and development,

metering techniques, intermediate black-and-white printing skills, flash, and print presentation techniques. Students work on self-directed projects and begin their portfolio work with this course. Prerequisite: PHCO 1318 or consent of instructor based on portfolio review. Fall, Spring.

**2323 Photography in the Humanities 3 hours**

This course explores the uses of photography in the humanities, emphasizing documentary photography and its social and historical significance. This course will also examine the relationship between words and images using classic examples of books utilizing photos and text; the ethical relationship between photographers and subjects is also discussed. Students will produce a portfolio centered on a class project. Prerequisite: PHCO 1319 with grade of C or higher or consent of instructor based on portfolio review.

**2325 Intermediate Digital Imaging 3 hours**

Intermediate Digital Imaging is a project-based digital shooting and printing course. Students will build on camera operation and post-production skills gained in Visual Studies I while working on a number of smaller assigned projects and a large self-designed semester project. Primary softwares for this course are Lightroom, Photoshop, and InDesign. Primary production is exhibition quality inkjet prints with the semester project serving as a demonstration of both aesthetic power and technical excellence. Prerequisite: VISU 1311 with a grade of C or better, or consent of instructor. Fall, Spring.

**2399 Special Topics in Photocommunications 3 hours**

This course allows students to pursue a special topic within photography or related media. Course may be repeated as topics vary.

**3322 Styles and Themes 3 hours**

This course will focus on varied technical or stylistic topics selected by the instructor in the areas of photography and related media. Topics may include advanced black-and-white printing, alternative printing processes, portfolio production, editorial photography, artists' books, presentation methods, multimedia projects, and other stylistic and subject-based topics. Students will view relevant contemporary and historical works of significance and will complete assignments and projects to enhance their understanding of the course topic. May be repeated for credit as topics change. Prerequisite: PHCO 1319 with a grade of C or higher or consent of instructor based on portfolio review. Fall, Spring.

**3324 History of Photography 3 hours**

This course covers the history of the photographic medium from its origins and invention in 1826 to the present. Through studying the development of photography, students gain a basis for making and viewing contemporary images, from both technical and aesthetic viewpoints. Through lectures, readings, writing and field trips, students will experience the discipline and artifacts generated by almost two hundred years of photographic image making throughout the world. Fall.

**3329 Digital Color 3 hours**

This course covers working with color negative materials, scanning film, and digital output for portfolio and exhibition. Shooting, scanning and printing from color negatives introduces the skills of determining correct color contrast and color balance while refining one's color sensibility, skills that enhance color work done in any medium, traditional or digital, still or video. Students shoot under a variety of lighting conditions in order to explore the unique



possibilities of working in color, including technical exercises and a self-directed final portfolio project. Prerequisites: PHCO 1319 and PHCO 2325 with a grade of C or above. Fall.

### **3331 Video Production 3 hours**

An introduction to theory and technical aspects of video production with emphasis on the aesthetic and communicative potential of the medium. While learning basic production skills, students consider narrative structure through a series of video short assignments. This course emphasizes the development of compositional and camera skills as well as digital-video-editing skills. Prerequisites: VISU 1311, and PHCO 1318 with grade of C or above, or instructor permission. Fall, Spring.

### **3334 Large Camera 3 hours**

This advanced course in black-and-white photography focuses on the use of the view camera, view camera optics, metering techniques and basic Zone System techniques. Topics include portraiture, landscape, architectural and others. Students will produce a portfolio. Prerequisite: PHCO 1319 with a grade of C or higher or consent of instructor based on portfolio review. Fall, Spring.

### **3335 Studio 3 hours**

This course will introduce students to the professional use of the studio, studio lighting and studio production techniques. Emphasis will be on mastering electronic and tungsten lighting for portraiture, product photography and still life. Color and black-and-white materials and digital techniques will be used. Prerequisite: PHCO 1319 and PHCO 2325 with a grade of C or higher or consent of instructor based on portfolio review. Fall.

### **3340 Digital Projects 3 hours**

The primary goals of this major elective are to assist participants in generating or refining a body of work while developing vehicles for presentation and promotion of the work. Final output is not independent of promotional delivery mechanisms. Course participants who conscientiously work toward course goals and meet deadlines should leave the class with greater insight into their personal artwork and a solid set of skills for self-marketing. Projects may include mailable and conference promotional pieces, disk mailer, Blurb book, eBook, and personal website. Primary softwares for this course are Photoshop and InDesign. Prerequisites: VISU 1311 and PHCO 2325 both with a grade of C or above, or instructor permission. Fall.

### **3345 Digital Darkroom 3 hours**

This course will concentrate on mastering the workflow necessary to produce fine art prints, color and black-and-white, using digital technology. The emphasis will be on using desktop scanners, Photoshop and ink-jet printers. System calibration and color-management skills will be covered in depth. This is a portfolio course. Students are expected to produce digital prints that will make a substantial addition to their graduation portfolios. Print aesthetics will be discussed extensively. Prerequisites: PHCO 2325 with a grade of C or better or consent of instructor based on portfolio review. Spring.

### **4343 Senior Seminar I: Professional Practices 3 hours**

In this required senior-level course, students will refine their personal portfolios, develop a graduation plan relevant to their interests and career goals, and plan and prepare work for the spring senior exhibition. Students will explore presentation skills relevant to their particular interests and career goals and undertake preliminary preparation for job search, internship,

workshop and graduate school opportunities. This course will introduce basic business practices that are essential for economic survival and prosperity, including bookkeeping, "the paper trail," marketing, client communications, portfolio design and preparation, legal issues, and other practical information. Students will also prepare appropriate written materials to accompany their portfolios. This course must be taken during the fall semester immediately prior to a student's last spring semester. Prerequisite: 30 hours of PHCO course credit with 18 hours in PHCO courses taken at St. Edward's or consent of instructor based on portfolio review. Course must be taken in residence at St. Edward's. Fall.

### **4344 Senior Seminar II: Exhibition, Thesis and Portfolio 3 hours**

This required senior-level course functions as the capstone of each PHCO student's program of study. In this course, students will exhibit their best work in the Art Gallery and will be responsible for all aspects of exhibition planning and installation, continuing the work begun the previous semester in Senior Seminar I. In addition, students will complete professional portfolios appropriate to their career interests and goals. Through class discussions, students will refine their personal postgraduation goals, which may include further internships, assisting, workshops, grant applications and graduate school. A written thesis is also required. Prerequisite: PHCO 4343 with a grade of C or higher. Course must be taken in residence at St. Edward's. Spring.

### **4350 Internship 3 hours**

A required course for advanced students who have a working knowledge of the various aspects of the photographic process. Students approved for an internship work either with professional photographers, publishers, advertisers, graphic designers and archivists or with other relevant professionals, chosen by the student in consultation with the instructor. Through the internship, students gain career-related experience in a real-world setting and prepare for the school-to-work transition. Prerequisite: Consent of instructor. Fall, Spring, Summer.

### **4399 Senior Topics 3 hours**

This senior level PHCO course will focus on specialized topics in traditional and digital image making, photography and art history, contemporary aesthetics, and criticism. It is a lecture-based course emphasizing research and written and oral communication. This course may be repeated for credit when topics vary. Prerequisite: PHCO minors and others may enroll in this course with permission of the instructor. Spring.

## **Physics (PHYS)**

### **1305 Physics for Future Presidents 3 hours**

Provides an overview of physics with a particular emphasis on topics that relate to policy decisions. Topics include energy, nuclear processes, space flight, climate change, relativity and technology derived from the principles of quantum mechanics. While few equations are used, some basic algebra will be required. Satisfies Science in Depth requirement. Prerequisite: Math 1312 or above. Spring

### **2320 Mechanics and Waves 3 hours**

An introduction to kinematics and Newtonian mechanics that emphasizes vector methods and applies concepts from calculus. Elementary principles of fluid mechanics, traveling and standing waves, vibrating bodies, and acoustical phenomena

are considered. Students enrolled in PHYS 2320 must be concurrently enrolled in PHYS 2125. Prerequisite: Six hours of college math or equivalent (MATH 2312 and either MATH 1348 or MATH 2313 are strongly recommended). Fall.

**2321 Electricity, Magnetism and Optics 3 hours**

A survey of the basic concepts of electricity and magnetism followed by elementary concepts of reflection, refraction, lenses, interference, diffraction, polarization and propagation of light. A brief introduction to radioactivity and resultant radiation. Students enrolled in PHYS 2321 must be concurrently enrolled in PHYS 2126. Prerequisite: PHYS 2320. Spring.

**2125 Mechanics and Waves Laboratory 1 hour**

Experiments in mechanics and waves. Includes experience with computer-assisted data recording, analysis and graphing; basic considerations of experimental design; introduction to report writing. Students enrolled in PHYS 2125 must be concurrently enrolled in PHYS 2320 or 2325. Fall.

**2325 University Physics I 3 hours**

Topics include fundamentals of classical mechanics, wave motion, sound and heat. Primarily for science or pre-engineering students. Calculus is used in derivations and problem solving. Students enrolled in PHYS 2325 must be concurrently enrolled in PHYS 2125. Prerequisite: MATH 2313 or registration therein. Offered on sufficient demand.

**2126 Electricity, Magnetism and Optics Laboratory 1 hour**

Experiments involving electricity, magnetism and optics. Continued emphasis on computer-assisted data recording, analysis and graphing; instruction on experimental design; additional practice in report writing. Students enrolled in PHYS 2126 must be concurrently enrolled in PHYS 2321 or PHYS 2326. Spring.

**2326 University Physics II 3 hours**

Topics include fundamentals of electricity, magnetism and light. Primarily for science or pre-engineering students. Calculus is used in derivations and problem solving. Students enrolled in PHYS 2326 must be concurrently enrolled in PHYS 2126. Prerequisites: PHYS 2325 and MATH 2314 or registration therein. Offered on sufficient demand.

## Political Science (POLS)

**1305 American National Government 3 hours**

An overview of the dynamics and structure of American national government and the American political system. The course involves a series of lectures designed to broaden understanding of the nature and processes of American government. This course meets the requirements for teacher certification in Texas. Fall, Spring.

**1306 State and Local Government 3 hours**

A consideration of the structure and dynamics of state and local governments in the United States. Particular attention is given to Texas state government, but it is compared with the political cultures and styles of the other 49 states. This course fulfills the second three hours of the Legislative Requirement.

**2320 Political Management: Campaigns and Crises 3 hours**

Political insiders from even a generation ago would scarcely recognize a modern electoral campaign. The biggest difference has been in the evolution of the modern campaign professional. This course will focus on the role and responsibilities of contemporary campaign professionals, particularly at the

state and local levels. Students will be exposed to the latest strategies and tactics of political campaigns, as taught by some of their leading practitioners. They will produce a written plan and budget for a campaign. The course will also examine the management of crisis situations in electoral, legislative and public policy campaigns and help develop some of the techniques useful to predict, identify and manage such situations.

**2332 International Relations 3 hours**

International Relations is the study of interactions of countries, international organizations, multinational corporations, terrorist groups and other entities across international borders. This course will introduce students the major theories of international relations which in turn attempt to explain such phenomenon as the causes of international conflict and its resolution, the international political economy, international law and organizations, and the processes of globalization. International Relations will help prepare students for such upper-division courses as American Foreign Relations, International Political Economy, International Security and Conflict Resolution, International Organizations and Strategic Intelligence and Covert Action. Fall, Spring.

**2341 Comparative Politics 3 hours**

Comparative Politics is the study of the similarities and differences of political systems within countries around the world. This course introduces students to the concepts and methods necessary to systematically compare and contrast different political systems and governments. Students will learn about various forms of democratic and non-democratic governments, the differences between parliamentary and presidential systems, and the processes of political change leading to democracy or to authoritarianism. Through a brief overview of a group of diverse countries, students will examine the role of ideology, political institutions, political economy, political culture, participation and representation, and public policy in different regions and different types of systems. Comparative Politics is not only a stand-alone introduction to the field but will also help prepare students for upper-division courses on the politics of Asia, Europe, Latin America, the Middle East and Africa. Fall, Spring.

**2149, 2249, 2349 Topics in Political Science 1–3 hours**

May be repeated as topics change.

**3320 The Politics and Governments of Latin America 3 hours**

This course will survey the politics and governmental systems of a representative selection of countries from South and Central America and the Caribbean. While the course will cover the various types of governmental institutions prevalent in Latin America, the primary focus will be on political development and change, in particular emphasizing the role of the military, the Catholic Church, economic interests, indigenous groups and foreign actors. Spring.

**3321 Politics and Governments of Asia 3 hours**

This course will survey the politics and governmental systems of a representative selection of countries from Asia and the Pacific region, focusing particularly on China, India and Japan. While the course will cover the various types of governmental institutions prevalent in Asia, a special emphasis will be placed on the complex relationship between economics and politics domestically within each of the countries and the role Asia plays

internationally in the process of globalization. Given the ever-growing influence of the Asian economies, this course will be of interest to anyone wanting to learn more about the region specifically, and about international political economy and international politics generally.

### **3328 Political Research and Statistics 3 hours**

The general objective of this course is to develop and enhance the ability of students to plan, execute, report and understand empirical political research. Some of the topics covered in this applied statistics course: frequency distribution, measures of central tendency, measures of variability, regression and correlation. Fall.

### **3333 The Politics and Governments of Europe and the European Union 3 hours**

This course will survey the politics and governmental systems of a representative selection of countries from Europe as well as the institutions and policies of the European Union. While the course will cover the various types of governmental institutions prevalent in Europe, the primary focus will be on political development and change, in particular emphasizing the role of political culture, society, economic interests and international politics. Hence, The Politics and Governments of Europe and the European Union ought to engage not only students of Europe but those who contemplate a career in foreign affairs or international politics. Fall.

### **3334 Public Policy 3 hours**

Public officials and citizens need to be able to understand and address critical issues in order for our democracy to remain strong. This course introduces students to the policy making process and applies this process to contemporary policy areas. Students will think critically about controversial issues, and understand how the discourse surrounding those issues influences government action. Spring.

### **3335 American Foreign Relations 3 hours**

A critical study of American foreign relations. The course emphasizes those relations that the United States has had with other states from the earliest days to the present post–Cold War era. At the end of the course the student will be capable of separating the rhetoric from the reality of the American political tradition. Fall.

### **4323 The American Voter 3 hours**

This course examines factors which influence the development and expression of public opinion, voter turnout, partisanship and electoral choices in the context of recent elections. Students will examine the determinants of vote choice and their outcomes on elections and policy. Special emphasis will be placed on the role of the media, as well as the importance of informal and formal electoral institutions. (Course may be taken to fulfill the Political Science requirement for a POLS 4349 topics course.)

### **4324 The U.S. Congress 3 hours**

This course educates students about the fundamental aspects of the United States Congress. This knowledge will provide a foundation enabling students to understand and evaluate Congress and the laws it passes. The course will focus on both the historical development of Congress and current trends and events. Topics range from elections to the party structure to the committee system. (Course may be taken to fulfill the Political Science requirement for a POLS 4349 topics course.)

### **4326 American Political Parties 3 hours**

This course examines the history and evolution of the modern party system. It focuses on the organization and activities of

the parties, including the various ways that they interact with citizens. It explores the ideological positions and socioeconomic composition of the parties, as well as their influence among public officials. (Course may be taken to fulfill the Political Science requirement for a POLS 4349 topics course.)

### **4342 The Legislative Process and Lobbying 3 hours**

An examination of the state and national legislative bodies as they fulfill their representative and legislative functions in the American political system. The course is offered simultaneously with the biennial sessions of the Texas legislature, which will provide a laboratory for those enrolled. Spring, odd-numbered years.

### **4343 Politics and the Media 3 hours**

This course will examine media coverage of public officials, political campaigns, legislative activities, interest groups and several issues of public policy. Students will learn how to design newspaper, radio and television ads for candidates or interest groups. Discussion of strategies for getting favorable news coverage for an issue or candidate.

### **4344 The President 3 hours**

An assessment of the development and powers of the American presidency as the central leadership institution of the United States government and political system. Analysis of the presidential character, impeachment politics, presidential decision making and the merchandising of presidents will be stressed.

### **4345 Political Leadership 3 hours**

A new century may call for new forms of public leadership. Students will be challenged to think, write and speak critically about what leadership is, and what social and political forces shape leadership, and to reflect upon their own leadership capacities. The course examines leadership principles and practices through analysis of current politics, case studies of political leaders providing leadership, discussions with some who hold leadership positions and some class simulations.

### **4347 Political Theory 3 hours**

This course analyzes and assesses primary texts of leading political thinkers whose ideas have helped shape the national and global political institutions of the 21st century. The course begins with Plato and his student Aristotle; continues with Aquinas, Machiavelli, Hobbes, Locke, Montesquieu, Mill, and Marx; and ends with a comparison of Friedrich Hayek and John Maynard Keynes. Prerequisite: Junior standing. Fall.

### **4348 American Political Thinking 3 hours**

A reading lecture-discussion course examining the various schools of thought across the American political spectrum. Although there is some consideration of Hamiltonian and Jeffersonian approaches to political thinking, most of the time will be spent examining current views, a time of much rethinking and reformulating of political ideas and attitudes. Prerequisite: Junior standing. Spring.

### **4149, 4249, 4349 Topics in Political Science 1–3 hours**

May be repeated as topics change.

### **4350, 4650 Internship 3 or 6 hours**

Internships are designed to make supervised, practical experience of the political world available to students. The Austin area offers many placements in the agencies and branches of city, county and state government. The internship is not restricted to majors, but majors are expected to do an internship. Prerequisite: Junior standing. Fall, Spring, Summer.

**4351 Strategic Intelligence and Covert Action 3 hours**

Strategic intelligence is perhaps among the most glamorized and consequently least understood instruments of foreign policy. The concept of strategic intelligence embraces a wide variety of activities and processes, including the covert and overt collection of information, counter-intelligence and counter-espionage efforts, and covert operations. This course covers the role intelligence has played in American foreign relations over the past century as well as the evolution of the profession of intelligence and the associated intelligence community.

## Psychology (PSYC)

**2301 General Psychology 3 hours**

This course introduces the scientific study of the mind and behavior. Topics include the history of psychology, sensation and perception, learning, motivation and emotion, the biological bases of behavior, intelligence, human development, personality, mental disorders, and basic concepts of statistics and research design. Open to first-year students.

**2305 Introduction to Forensic Psychology 3 hours**

This introductory course surveys the field of forensic psychology. The role of forensic psychologists in court systems, law enforcement agencies, correctional programs, criminal investigations, and victim services will be studied. Other topics will include the historical development of forensic psychology and current controversies in the field.

**2306 Human Sexuality 3 hours**

This course is an introduction to the psychology of human sexuality. It is broad in scope and covers a variety of topics, such as female and male physiology, sexual orientation, sexual expression and variation, sexual difficulties, birth control, reproduction, and many others. A primary goal of this course is for students to develop a greater awareness and acceptance of their own sexuality and the sexuality of others, as well as to become more comfortable with and knowledgeable about the topic of sexual behavior.

**2307 Adolescent Psychology 3 hours**

The physical, intellectual, social, emotional and moral development of adolescents is considered in this course. Theories regarding adolescent development and the application of scientific studies to understanding adolescent behavior are emphasized. The principles and methods of guiding adolescents in their educational, vocational, social and personal problems are also discussed. Prerequisite: PSYC 2301 except for teacher certification candidates.

**2308 Child Development 3 hours**

This course presents an overview of the multiple factors affecting a child's total development. The interaction of physical, cognitive, emotional and psychosocial factors across the span of childhood are discussed. Prerequisite: PSYC 2301 except for teacher certification candidates.

**2316 Theories of Personality 3 hours**

This course provides students with the tools to understand individual differences in thought, emotion and behavior by examining major theories of personality and the empirical evidence that supports those theories. Students will be equipped to understand the assumptions various personality theories make, to apply different theories to individuals and groups of people, and to critically evaluate the strengths and weaknesses of personality theories. Prerequisite: PSYC 2301.

**2317 Statistics 3 hours**

This course examines basic statistical methods for analyzing the results of studies conducted in psychological science. Topics include understanding and creating frequency distributions and graphs, scales of measurement, measures of central tendency, measures of variability, Analysis of Variance, t-tests, chi square, correlation, and the selection of appropriate inferential techniques. Prerequisite: Proficiency in basic arithmetical operations. A grade of C or higher is required for Psychology majors.

**2320 Introduction to Counseling Skills 3 hours**

This course builds practical skills for effective interpersonal communication, supportive counseling, efficient interviewing, active listening and impactful mentoring. The course will cover the problem-solving process, issues of diversity, the importance of a nonjudgmental attitude, and related ethical principles. The course is intended to provide skills that will enhance students' ability to later work with people in community service or in internships. Same as SOCW 2320.

**2326 Chemical Dependency Issues 3 hours**

Students will discuss issues of drug use and abuse, and the effects of drugs on behavior. Students will also evaluate both human and animal research relevant to chemical dependency. Students should gain a better understanding of how drugs operate in the brain and in the body to produce psychological and physiological effects. The roles that drugs play in societies and some of the clinical models used to treat those who use drugs are also discussed. Contemporary issues — such as the link between chemical abuse and crime, our society's war on drugs, legalization proposals, allocation of priorities and resources, and changing definitions of addiction — will be explored. Same as CRIJ 2326, CRIM 2326 and SOCW 2326.

**2149, 2249, 2349 Topics in Psychology 1–3 hours**

This course addresses special topics in psychological science. The course may be repeated as topics vary.

**3303 Industrial and Organizational Psychology 3 hours**

This course looks at the application of psychological theories and principles to the workplace. Employee selection, management of people in particular jobs, workgroup interactions, employee satisfaction and employee motivation are addressed. Research into consumer behavior, the relationship of human beings to machines, and the influence of the work environment on worker productivity are also considered. Prerequisite: PSYC 2317.

**3319 Social Psychology 3 hours**

This course examines research findings related to human behavior in a social context. Topics include person perception, social cognition, nonverbal communication, attitude change, attraction and close relationships, conformity, obedience, interpersonal attraction, and aggression, among others. Prerequisites: PSYC 2301 and PSYC 2317.

**3438 Research Methods with Lab 4 hours**

This course provides training in the scientific methods of psychology. Topics include the application of statistical techniques to data, designing and conducting different kinds of research studies, report writing, and laboratory experience. Prerequisites: PSYC 2301 and PSYC 2317.

**3340 Counseling and Guidance 3 hours**

The theories and techniques used in counseling and working with groups and individuals are presented. Demonstrations, discussion and participation are utilized. Prerequisite: PSYC 2301.



**3356 Counseling and Treatment for Substance Use Disorders 3 hours**

This course will explore historical and contemporary approaches to counseling and treatment of substance use disorders. It will examine scientific evidence related to the effectiveness of different approaches, and will explore key competencies for addiction counseling and the “12 Core Functions” of chemical dependency counseling (including the knowledge, skills, and attitudes of professional practice). Instruction will include demonstrations, case studies, role plays, and experiential activities designed to promote integration and application of principles related to diversity and inclusion, clinical ethics, and client-centered evidence-based practice. Same as CRIJ 3356 and SOCW 3356. Prerequisite: PSYC 2326 (same as CRIJ 2326, CRIM 2326 and SOCW 2326).

**4341 Abnormal Psychology 3 hours**

The behavioral, psychological and physiological bases of disorders are considered. Topics include affective disorders, schizophrenia, anxiety disorders, personality disorders and dissociative disorders, among others. Research and controversies surrounding diagnosis, treatment and prevention are discussed. Prerequisite: PSYC 2301.

**4442 Behavioral Neuroscience with Lab 4 hours**

This course provides an introduction to the neurosciences. Students will examine the function and anatomy of the central nervous system and how it mediates perceptions, emotions, thoughts, memories and other behaviors. Course requirements include a one-hour anatomical and behavioral laboratory experience. Prerequisites: PSYC 2301 and PSYC 2317.

**4343 Learning and Cognition 3 hours**

This course explores several of the contemporary approaches that allow scientists to study the mechanisms of learning and memory. Students will study processes that span from invertebrates to humans, drugs to disease, and theories to clinical treatment. The course provides a brief background of learning principles and basic neural anatomy and physiology in order for students to have a framework for integrating relevant research. Prerequisites: PSYC 2301 and PSYC 2317.

**4344 Serial Killers 3 hours**

The study and post-analysis of known serial killers is the focus of this course. It will also include crime scene information; video discussions with psychologists, scientists and law enforcement officials; interviews with perpetrators and their families; and case summary reviews.

**4345 The Violent Sex Offender 3 hours**

The social, psychological and sexual motives associated with violent sex offenses are discussed, and the characteristics and behaviors of these offenders are analyzed. This course also covers such topics as victimology, pre/post-offense behavior, and the attributes of offenders and their crime scenes.

**4149, 4249, 4349 Topics in Psychology 1–3 hours**

This course provides lecture, supervised study or research determined by student interests and needs. Pedagogy may include writing an original paper, research project or theoretical analysis of a subspecialty area. The course may be repeated as topics vary. Prerequisites: Junior or senior standing and PSYC 2301 or PSYC 2401.

**4351 Advanced Research in Psychology 3 hours**

Students will serve as principal investigator for an original experiment in one of the major areas of psychology, working closely with the instructor on a topic of mutual interest.

**4359 Research and Field Experience in Psychology 3 hours**

This is an educationally directed course in experiential learning under the supervision of Psychology faculty and professionals in the field that offers students opportunities to acquire skills and to test in a field setting theories and principles learned in the classroom. Internship students will volunteer at a psychology-related site in the community and address theoretical issues in an applied setting. Students working directly with a faculty member on a research project will conduct an in-depth study in one of the major areas in psychology, and pursue the integration of that knowledge with other areas in psychology. Students are required to apply to the instructor for acceptance in the course one semester in advance, and must plan to spend 150 hours in the field. Prerequisites: Psychology major, PSYC 2301, PSYC 2317 and PSYC 3438.

**4360 History and Systems of Psychology 3 hours**

The development of psychology, from its historical roots to current theories and practices, is explored. Major schools of thought, such as structuralism, functionalism, behaviorism, humanism, and the cognitive revolution, are discussed. Disciplines that have contributed to the historic development of psychology, such as philosophy, physiology, or computer science, are also examined. Prerequisites: PSYC 2301, PSYC 2317 and senior standing.

**Reading (READ)****0210 Reading for College Success 2 hours**

The focus of this course is conceptual knowledge, vocabulary and strategies for comprehension of college-level materials. Students also develop flexibility of reading rate for varied materials and purposes. Critical thinking, values analysis skills and efficient study techniques are also stressed. Students may be required to take Reading for College Success on the basis of their placement scores. Students may also elect to take this course to improve their critical reading and study strategies. This course meets three hours per week. Co-requisite: READ 0210 must be taken the same semester as ENGW 0301, ENGW 0302 or ENGW 0304 (depending on the writing assessment), unless placement scores indicate otherwise. Fall, Spring.

**1323 Critical and Efficient Reading I 3 hours**

This course focuses on comprehension of college-level reading materials with a strong emphasis on critical thinking and values analysis skills. Attention is also given to the development of reading rate flexibility, while also improving concentration, comprehension and retention. Study skills and test-taking strategies are also key elements of the course. This course is linked to a designated content area course; when college entrance exams indicate, traditional freshmen may be required to take READ 1323 while taking the designated content area course. Course may be repeated by international students for elective credit. Fall, Spring.

**1324 Critical and Efficient Reading II 3 hours**

In this course students will advance in strategic college-level reading while continuing to emphasize critical thinking and values analysis. Students will increase level of independence in purposeful reading rate flexibility, concentration, comprehension and retention. Study skills and test-taking strategies will continue as components. This course is linked to an academic content course and is open to international students only. Fall, Spring.

## **2341 Emerging Literacy Methods 3 hours**

In this application course, students master a variety of strategies for teaching oral and silent reading, comprehension, word recognition, phonics, spelling and writing. The course focuses on ways to teach emerging and early literacy that will promote success for every child. Students demonstrate understanding by applying ideas and theories learned in class during internships. After each teaching experience, students will share, discuss and problem-solve ways to utilize the strategies more effectively. Prerequisites: Sophomore standing and the successful completion of EDUC 1330. Co-requisite: SPED 2324. Fall, Spring.

## **3334 Children's Literature 3 hours**

Literature appropriate to children: its sources, prominent authors and illustrators, critical evaluation and presentation. Attention is given to the fundamental principles underlying the choice of children's stories and the techniques of selecting and telling stories. Students preparing to become bilingual teachers will become acquainted with Spanish children's literature. Does not meet requirements for English literature major. (Same as ENGL 3334.) Prerequisite: Sophomore standing. Fall, Spring.

## **3348 Literacy Assessment and Methods 3 hours**

Students will learn how to administer, assess and interpret results from both formal and informal literacy tests. Instructional decisions will be made in the areas of emergent literacy, phonological and phonemic awareness, oral language, vocabulary, word recognition, phonics, text readability, comprehension, fluency, spelling, writing, study strategies, interests and attitudes. Applied instructional decisions will be assessed to determine response to instruction. Students will participate in an internship at a local school where they will assess, teach and evaluate results. Prerequisites: EDUC 1330, EDUC 2331, READ 2341 and admission into the Teacher Education program. Co-requisite: EDUC 4333 or EDUC 4337. Fall, Spring.

## **3349 Literacy Assessment for Diverse Populations 3 hours**

As part of the secondary teacher preparation program, this course will focus on the changing landscape of the urban secondary school setting and the demands placed on teachers within secondary schools. Areas of focus will include adolescent literacy, multilingual students, writing and 21st century literacy skills. Students will consider the multiple literacies that adolescents, especially those identified as long-term English-language learners, bring into the secondary classroom and the tools and techniques necessary to leverage those literacies in that classroom. The course will also support pre-service teachers as they prepare for certification exams. Prerequisites: EDUC 1330, EDUC 2331 and SPED 2324.

## **4343 Content Area Literacy 3 hours**

The primary focus of this teacher-preparation course is on strategies designed to develop critical-reading, writing and study skills that maximize elementary and secondary students' content area learning (e.g., literature, mathematics, science and social studies). Content area literacy includes the development of comprehension, study skills, metacognitive awareness, purposeful reading, critical thinking, vocabulary, word recognition, writing, questioning and discussion skills. Also addressed are authentic assessment, cooperative learning, instructional technology, motivation, children's and adolescent literature, and special needs learners. This course has an internship component and must be taken prior to student teaching. Prerequisites: EDUC 1330,

EDUC 2331, EDUC 2332, junior standing and admission into the Teacher Education program. Fall, Spring.

## **4150, 4250, 4350**

## **Reading Instruction Internship 1–3 hours**

Interns serve as teaching assistants in developmental reading courses. They assist instructors with planning, developing materials, teaching, facilitating small-group activities, evaluating student progress, providing feedback on written assignments and tests, conducting informal student conferences, keeping records and grading. Interns work closely with the instructor, who provides guidance and feedback. Prerequisite: Consent of the Reading program director. Fall, Spring.

# Religious and Theological Studies (RELS)

## **1100 Primer in Religious Studies 1 hour**

This course is a one-hour general introduction to topics of special interest to students. Topics may include the reading of a particular religious text, such as the Quran, or an introduction to theological methodology. The course does not assume prior background in religious studies and may be repeated as topics change.

## **1101 Methods in Religious Studies 1 hour**

This course orients students to Religious Studies by introducing them to the discipline's various fields, with a focus on each field's methodologies. The methodologies are examined critically so that students have a historical understanding of their function and purpose and are able to recognize issues that may arise with a given methodology. The course, for one credit hour, is required for majors and minors in their first year of study, as well as for majors and minors in Catholic Studies and Liberal Studies. Interdisciplinary Studies majors with a concentration in Religious Studies must also take the course in their first year. The course will orient Religious Studies majors to the portfolio that they are required to submit for graduation. Spring.

## **1304 Introduction to Religions of the World 3 hours**

This course examines the historical development and sacred writings of the five major religious traditions of the world: Hinduism, Buddhism, Judaism, Christianity and Islam. By utilizing historical methodology, the student learns the context in which major religious ideas emerged. Fall and Spring.

## **1315 Basic Christian Questions 3 hours**

This course is designed to offer a systematic approach to Christian thought in which each issue discussed lays the foundation for the succeeding questions. In this way, students will see Christian doctrine not as discrete, unrelated ideas, but as an integrated whole. The attempt will not be so much to explore Catholic, Methodist, Baptist, etc., "points of view," but to explore theological issues held in common by the Catholic, Orthodox and Protestant traditions. Fall and Spring.

## **1316 Introduction to Catholicism 3 hours**

This course will provide a survey and study of the major beliefs, traditions and practices of the Catholic faith. Making use of the documents of Vatican II and recent initiatives in contextual theology, the course will explore Catholic theological reflections on community, revelation, authority, the Trinity, Christ, salvation, spirituality, morality and the sacraments. The course will also examine various Catholic traditions as well as the relation of Catholicism to other Christian denominations and other religions. Fall and Spring.

**1318 Introduction to Christian Morality 3 hours**

This course will investigate the foundations of Christian morality contained within Scripture, natural law, church tradition and various theological systems. Among the many themes and topics covered will be Christ as the model of Christian behavior, the formation of a Christian conscience, and the application of Christian principles to such issues as medical ethics, sexual morality, social justice, and discussions of war and peace. Fall.

**2302 Abrahamic Traditions: Judaism, Christianity and Islam 3 hours**

This course will explore the religious, philosophical and theological developments of the three Abrahamic traditions: Judaism, Christianity and Islam. By focusing on the historical development of each of these traditions, students will be in a position to appreciate the dynamic nature of each tradition and to raise questions about the future of these traditions.

**2303 Asian Traditions 3 hours**

This course will explore the religious, philosophical and theological developments of three Asian traditions: Hinduism, Buddhism, and either Taoism, Confucianism or Shintoism. By focusing on the historical development of each of these traditions, students will be in a position to appreciate the dynamic nature of each tradition and to raise questions about the future of these traditions. It will also examine the growing role of Islam in this region.

**2321 Introduction to the Hebrew Bible 3 hours**

This course studies ancient Israel in terms of its history, religion and literature as they are articulated in the books of the Hebrew Bible. Students study the formation of individual books and of the Hebrew Bible as a collection. Fall, odd-numbered years.

**2322 Introduction to the New Testament 3 hours**

This course takes a multifaceted approach to the study of the gospels, the epistles and the Book of Revelation. The course will emphasize the methodology of historical criticism for the purpose of identifying the authors of each New Testament work, as well as their respective theologies and witness to Jesus Christ. Spring, even-numbered years.

**2323 Justice, Peace and Liberation 3 hours**

This course examines the issues of justice and peace within the context of the Gospel of Jesus. Beginning with the social teachings found in the Old and New Testaments, this course will examine current issues in light of modern Christian social doctrine.

**2325 Topics in the Hebrew Bible 3 hours**

This course provides a study of a discrete corpus from the Hebrew Scriptures. This could include an in-depth study of the Pentateuch, the Prophetic or Wisdom Literature, or the Psalms. Particular attention will be paid to historical and literary-critical issues.

**2326 Women in the Bible 3 hours**

This course provides a survey of women in the Hebrew Bible and New Testament. We consider women in their Near Eastern and Greco-Roman contexts by means of textual, literary, historical and anthropological approaches.

**2328 New Testament Literature 3 hours**

This course provides a study of a discrete corpus from the New Testament. This could include an in-depth study of the Synoptic Gospels, the Pauline Epistles or Jesus Traditions in the New Testament. Focus will be on the Scriptural texts and contemporary Scripture scholars and theologians.

**2342 Special Topics in Religious Studies 3 hours**

This course will examine particular topics within religious studies. These topics will be general in nature and will not

assume prior background in religious studies. Course may be repeated as topics vary.

**3302 The Wisdom of Asia 3 hours**

This course will explore the religious, philosophical and theological developments of either Hinduism or Buddhism. Focus will be on the major philosophical schools and sects, both historical and contemporary. Course may be repeated as topics vary. Prerequisite: Six hours of Religious Studies or Philosophy, which must include RELS 1101 and RELS 1304, RELS 2302 or RELS 2303, or permission of instructor.

**3304 Religions of the Book 3 hours**

This course will explore the religious, philosophical and theological developments of either Judaism or Islam. The former will include study of the major movements in modern Judaism: Orthodox, Conservative, Reform, Hasidism and Jewish Reconstruction. The latter will explore the religious, philosophical and theological developments of Islam. Focus will be on the major legal and philosophical movements as well as the study of Sunni, Shi'ite and Sufi thought and practice. Course may be repeated as traditions vary. Prerequisite: Six hours of Religious Studies or Philosophy, which must include RELS 1101 and RELS 1304, RELS 2302 or RELS 2303, or permission of instructor.

**3320 Archaeology and the Bible 3 hours**

This course examines how the ancient physical remains of the Mediterranean Basin have contributed to our understanding of the biblical text as well as of the religions of ancient Israel and the Greco-Roman world. Course may be repeated as topics vary. Prerequisite: Six hours of Religious Studies or Philosophy or permission of instructor. Prerequisite hours must include RELS 1101 and one of the following: RELS 2321, RELS 2322, RELS 2325, RELS 2326 or RELS 2328.

**3326 Traditions of the End Times: Messiah and Apocalypse 3 hours**

This course involves the study of themes that accompany apocalyptic, or end-times, movements. These themes may include the study of the concept of a messiah or apocalyptic literature. There will be a focus on the variety of perspectives that reflect different and distinct points in the histories of Judaism, Christianity and Islam. Course may be repeated as topics vary. Prerequisite: Six hours of Religious Studies or Philosophy or permission of instructor. Prerequisite hours must include RELS 1101 and one of the following: RELS 2321, RELS 2322, RELS 2325, RELS 2326 or RELS 2328.

**3332 Christian Spirituality 3 hours**

This course will explore the history of Christian spirituality, from the ancient to contemporary church. Major spiritual movements such as the Desert Fathers and Mothers, the rise of monasticism, various forms of mysticism and popular devotions will be examined. Prerequisite: Six hours of Religious Studies or Philosophy, which must include RELS 1101 and either RELS 1315 or RELS 1316, or permission of instructor.

**3333 History of Christian Theology I 3 hours**

This course introduces students to the development of Christian theology from the end of the first through the fifth century. This period saw the incorporation of Hellenistic philosophy into Christian thought. Early controversies over the nature of God, the humanity and divinity of Christ, and the structure of the church helped the early church to formulate the doctrines of the Trinity, Christology and ecclesiology and to lay the foundations for medieval and contemporary Christian thought and practice.

Prerequisite: Six hours of Religious Studies or Philosophy or permission of instructor. Prerequisite hours must include RELS 1101 and one of the following: RELS 1315, RELS 1316, PHIL 2316 or PHIL 2317. Fall.

**3334 History of Christian Theology II 3 hours**

This course begins with the early Middle Ages and continues through the Protestant Reformation. This period saw the discovery of the writings of Aristotle and the birth of the medieval universities. Theological issues included the relationship between nature and grace, the relationship between reason and revelation, and the Christian understanding of the sacraments. The course will also explore the historical and theological factors that led to the Protestant Reformation, helping to bring an end to the theological synthesis developed in the Middle Ages. Prerequisites: Six hours of Religious Studies or Philosophy or permission of instructor. Prerequisite hours must include RELS 1101 and one of the following: RELS 1315, RELS 1316, PHIL 2316 or PHIL 2317. Spring.

**3338 Sacramental Theology 3 hours**

This course will examine the history of the development of sacramental theology from scriptural roots to the present. The individual sacraments will be studied separately as well as within the context of the overall sacramental structure of the church. Prerequisite: Six hours of Philosophy or Religious Studies, which must include RELS 1101 and either RELS 1315 or RELS 1316, or permission of instructor.

**3345 Special Issues in Theology 3 hours**

This class will explore issues of particular interest within theology. These topics will be focused in nature and will assume prior background in religious studies. Possible topics include Priests, Prophets and Kings; Religious Forces in Ancient Israel; Kings and Chronicles: the Religious Historiography of Ancient Israel; Mysticism; Faith and the Workplace; Christian Ecumenism; Sharing the Faith; Religion and Psychology; Trinity, Christology and Grace; and the Documents of Vatican II. Course may be repeated as topics vary. Prerequisite: Six hours of Religious Studies or Philosophy including RELS 1101, or permission of instructor. Specific topics may have additional specific prerequisites.

**3399 Issues in Religious Studies 3 hours**

This course will examine select issues within Religious Studies. Prerequisite: Six hours of Religious Studies including RELS 1101, or permission of instructor. Specific topics may have additional specific prerequisites. Course may be repeated as topics vary.

**4303 Dialogue of World Religions 3 hours**

This course will explore the possibility of dialogue among the major religious traditions, as well as the difficult issues dialogue uncovers. Prerequisite: Twelve hours of Religious Studies or permission of instructor. Prerequisite hours must include RELS 1101 and one upper-division course in world religions, and either RELS 3333 or 3334.

**4322 The Bible and Its Modern Interpreters 3 hours**

Perennial issues in biblical studies are examined through the lens of 19th- and 20th-century scholarship. Prerequisite: Twelve hours of Religious Studies or permission of instructor. Prerequisite hours must include RELS 1101 and one of the following: RELS 2321, RELS 2322, RELS 2325, RELS 2326 or RELS 2328.

**4340 World Religions in Depth 3 hours**

This course allows students to examine aspects of world

religions, taking up literary issues, philosophical or theological matters, or historical dimensions of traditions beyond the introductory level. Prerequisites: Twelve hours of religious studies, including RELS 1101 and three hours which must be either RELS 1304, RELS 2302 or RELS 2303, or permission of instructor.

**4341 Contemporary Theological Questions 3 hours**

This course will explore the philosophical and theological shifts that have taken place since the Enlightenment. Material will concentrate on one major systematic theologian and new theological issues. Prerequisite: Twelve hours of Religious Studies, which must include RELS 1101 and either RELS 3333 or RELS 3334, or permission of instructor.

**4342 Senior Seminar 3 hours**

This course is designed to teach an upper-division student how to research and write an in-depth paper. Students will be responsible for reading the assigned material and discussing it in a seminar format. Focus can be on a particular text or set of texts, issues, or thinkers in the fields of Scripture scholarship, systematic theology or non-Christian religious traditions. This seminar can be repeated as topics vary. Prerequisite: Twelve hours of Religious Studies including RELS 1101 or permission of instructor. Specific topics may have specific prerequisites.

**4350 Internship in Religious Studies 3 hours**

In this course, students go out into the larger community of Austin to learn from working with trained professionals in the various areas of applied religion. Students produce evidence of competencies in their field work according to the testing and criteria demanded by the directing professor. May be repeated once for credit. Prerequisites: Twenty-one hours in Religious Studies including RELS 1101, and permission of instructor. Offered each term by arrangement with the department.

**4399 Advanced Topics in Religious Studies 3 hours**

This course will examine advanced topics in Religious Studies. Prerequisite: Twelve hours of Religious Studies including RELS 1101, or permission of instructor. Specific topics may have additional specific prerequisites. Course may be repeated as topics vary.

## Science (SCIE)

**1100 Science/Math First Year Seminar 1 hour**

The First Year Seminar in Science and Mathematics is a one credit hour course for majors in the School of Natural Sciences. The course introduces faculty, programming, and academic and career advising specific to majors in the School of Natural Sciences to help new students adjust to the university. The course emphasizes the development of skills necessary for success in college (e.g., academic research and critical thinking skills, time management and study skills, wellness, and personal responsibility) and the importance of research experience and internships to prepare for careers in science and mathematics. Topics in science and mathematics are based on the interests and needs of students and on areas of faculty expertise. Enrollment is restricted to incoming first-year students whose majors are in the School of Natural Sciences. Credit may not be earned for both SCIE 1100 and FYSM 1100. Fall.

**1199 Science Seminar 1 hour**

This course is a one-hour introduction to topics of special interest to science majors. Topics may include the study of a particular book, seminars on current research activities in various scientific disciplines, and/or training in new and advanced scientific methodologies and techniques. The course may be repeated as the



topics change. Permission of instructor is required.

### **2320 Science in Perspective 3 hours**

This course is designed as part of the general education science component. Course objectives are to teach students to distinguish between science and pseudoscience through analysis of methodology, understand the difference between science and technology, appreciate the historical and philosophical background of science, and understand the role of science in creating and solving current societal problems. Topics include the scientific method, cosmology, global climate change, evolution, alternative energy, human health and nutrition, and scientific writing. Prerequisites: ENGW 1302, MATH 1312 or above. Fall, Spring, Summer.

### **2399 Wild Basin Project 3 hours**

Students will be introduced to research methodology in an interdisciplinary environment. Given guidance from instructors in both the Humanities and Natural Sciences, students will select a research question pertaining to the Wild Basin Preserve and will work in interdisciplinary groups to conduct an independent investigation. During this course, students will learn how to search relevant literature/databases within the requisite field of study and will conduct "on-site and in-field" work at the Wild Basin Preserve in gathering their data. The course will culminate in a presentation of the work as part of the course and students will be encouraged and aided in presentation of their findings at campus, regional, or national meetings in written and/or oral formats. Cross-listed with ARTS 3399 and PHCO 3322. Prerequisite: Consent of the instructor. Spring.

### **4345 History and Philosophy of Science 3 hours**

An introduction to the philosophy of mathematics and science by way of a historical analysis of philosophic-scientific debates. It will include study of the major developments in the Western world, especially the effects of the scientific thought on the worldview of different cultures, and their legal and social institutions. Examples will be drawn from mathematics, physics, computer science, chemistry and biology. Questions such as wave-particle duality, the relationship of mathematics to all of the sciences, and the role of computational instrumentation in the development of science will also be considered. The course may be used to satisfy the general education requirement for Science in Perspective (for COSC, CISC, History and Mathematics majors). This course satisfies CULF 3330 for Bioinformatics, Biochemistry, Biology, Chemistry, Medical Laboratory Science, Environmental Chemistry, Forensic Chemistry, BS Math and BS Computer Science majors. Prerequisites: Sixty hours of college credit and prior completion of six hours of Physics, Chemistry or Biology, COSC 1323/ COSC 1123, MATH 2321 or PHIL 2303. Fall, Spring.

## **Social Work (SOCW)**

### **1301 Introduction to Social Work 3 hours**

An overview of the profession of social work and an introduction to generalist practice, ecological systems theory and the problem-solving process. Examines the roles and techniques of social work practice in a variety of social service settings. Requires three hours per week of community volunteer work, arranged to fit the student's interests and schedule. Recommended for any student wishing to explore social work as a career possibility.

### **2318 Social Welfare: The Historical Response to Need in the United States 3 hours**

This course explores the development of social welfare systems,

policies and programs, in historical, societal and organizational contexts. Social problems and the responses to them by government at the state and federal level in the United States are explored from the Colonial Period to present day. The role of social policy in the daily lives of individuals, families, groups and communities is discussed. Conducting the annual Well Fair at St. Edward's will be part of the course requirements. This course is a prerequisite to SOCW 3328, Social Policy: Policy Practice in the United States. Same as SOCI 2318. Prerequisite or Co-Requisite: CULF 2231.

### **2320 Introduction to Counseling Skills 3 hours**

This course builds basic practical skills for effective interpersonal communication, supportive counseling, interviewing, active listening and mentoring. It is offered by the Social Work program for students who are not majoring in Social Work. The course will cover the problem-solving process, issues of diversity, the importance of a nonjudgmental attitude and related ethical principles. The course is intended to build skills that will enhance students' ability to work later with people in community service or in internships. Same as PSYC 2320.

### **2326 Chemical Dependency Issues 3 hours**

Students will discuss issues of drug use and abuse and the effects of drugs on behavior. Students will also evaluate both human and animal research. The main goal of this course is for students to gain a better understanding of how drugs work in the brain and in the body to produce their psychological and physiological effects. The roles that drugs play in societies and some of the clinical models used to treat those who use drugs will also be discussed. Contemporary issues such as the link between chemical abuse and crime, our society's war on drugs, legalization proposals, allocation of priorities and resources, and changing definitions of addiction will be explored. Same as CRIJ 2326, CRIM 2326 and PSYC 2326. Fall.

### **2341 Chemical Dependency: Special Populations 3 hours**

This course will take a more in-depth look at the impact of alcohol and/or drugs on special populations, including women, children and adolescents, gays and lesbians, the aged, and the incarcerated. Prevention models, interventions and treatment issues will be explored. The class will additionally include an experiential component in which students will derive practical experience(s) in the application of a direct intervention with one of these groups. Same as CRIJ 2341. This course is open to all students although it is part of a series designed for students pursuing licensure in the state of Texas as a Licensed Chemical Dependency Counselor (LCDC).

### **2149, 2249, 2349 Topics in Social Work 1–3 hours**

May be repeated as topics change.

### **3327 Marriage and Family 3 hours**

This course examines contemporary marriage and family in American society. Topics include gender roles, sexual values, dating and mate selection, alternative families and lifestyles, communication and conflict, domestic violence, dysfunctional families, chemical dependency, divorce, remarriage, and stepfamilies. Current research and concepts related to family counseling are examined. Cultural diversity in marriage and family customs is considered. This course provides the knowledge base for family assessment or for understanding one's own family. Same as SOCI 3327. Prerequisite: PSYC 2301 or SOCI 1301. Fall, Spring.

**3328 Social Policy: Policy Practice in the United States 3 hours**

This course is designed to build student competence in the following areas: social policy development to solve social problems, social policy analysis, and making change using the political process in the United States. Students will build upon knowledge and skills learned in the prerequisite policy course to develop sound policies from an historical perspective. Comparative study of social welfare systems in Europe in relation to their impact on society will also be done. Students will conduct in-depth policy analysis on a specific social welfare policy/program already in operation in the United States. Further, the course seeks to build student skills in educating elected officials about the efficacy of specific policy solutions and will require students to contact such officials to present policy analysis findings. Prerequisite: SOCW/SOCI 2318

**3330 Social Research 3 hours**

Fundamentals of research design, data collection and analysis are presented. The nature of bias in research is explored. The development of skills for using and conducting research in practice settings is emphasized. Same as SOCI 3330. Pre- or co-requisite: SOCI 2329. Fall, Spring.

**3331 Human Behavior and the Social Environment I 3 hours**

This course examines the normal processes of biological, psychological and sociocultural development through the life cycle with attention to the influences of diversity — including, but not limited to, race/ethnicity, social class, gender and sexual orientation. Students enhance self-awareness and assessment skills by applying course content to analyses of their own development. Common problems associated with particular stages of the life cycle are explored. This course is a foundation course in human behavior and the social environment and is essential for direct social work practice with individuals and families. Prerequisites: BIOL 1306 or BIOL 1305, PSYC 2301, SOCI 1301, and previous or concurrent enrollment in SOCW 1301. For those students choosing a minor in Social Welfare, prerequisites for this course may be reduced to one of the following three courses: SOCI 1301, PSYC 2301, or BIOL 1305.

**3334 Introduction to Disability Studies 3 hours**

This course provides a broad base of knowledge concerning the needs of individuals with disabilities and their families. The course places disability in a political, social, cultural and economic context to increase understanding of the societal barriers for individuals with disabilities throughout their life cycle. The course includes a historical perspective, social justice issues and consideration of ethical issues confronting professionals who serve individuals with disabilities and their families. Twenty hours of related community service learning are required. The course is intended as an elective for a variety of social and behavioral science majors. Fall.

**3341 Human Behavior and the Social Environment II 3 hours**

This course presents the social science knowledge base about organizations and communities on which social work practice with macrosystems depends. Students will explore the relationship between the problems of clients and the need for system intervention. They will learn the characteristics of effective social service programs and of program evaluation research. They will learn how to analyze service delivery networks in relation to special populations and problems. Course content also includes

basic concepts and principles of organizational administration and of community organization with consideration of related ethical issues.

**3347 Generalist Practice with Individuals and Families 3 hours**

This is a three-hour course that is only open to students who are Social Work majors. The primary focus of this class is to provide a theoretical foundation of social work practice with diverse client systems, while developing basic skills in the actual application of social work theory to practice. Using a generalist practice framework, students will examine the major theoretical foundations of social work practice that include ecological systems theory, the strengths perspective, and the empowerment process while learning other more specific theories and practice models. Students will explore relevant issues related to the practice of social work with diverse client systems that include individuals and families. Special practice issues such as dealing with diversity, working with oppressed groups and development of culturally specific interventions will also be a focus of this class. Incorporated are various learning assignments that will augment student learning while promoting the development of basic social work knowledge, skills, methods, and abilities and eventually help serve as the cornerstone for student master of the 10 core competencies (CSWE, 2008) during future Field Practicum and Seminar I and II. Junior standing required. Prerequisites: SOCW 1301, SOCW 2318 and SOCW 3331. Prerequisites or Co-requisites: SOCW 3327 and SOCW 3328.

**3348 Generalist Practice with Groups 3 hours**

This is a three-hour course that provides the foundation of knowledge, values and skills related to group process and group techniques in social work practice. It includes descriptions, processes and methods of practice for use in both treatment and task groups. Using a generalist framework, students will explore relevant issues related to working with diverse populations in group practice formats. The values and ethics of the social work profession will be emphasized throughout this course. Students will practice group skills by engaging in role playing, reading case studies and conducting analyses, and creating a video demonstrating their competence in running treatment and task groups. This course includes an Experiential Learning Project that will serve to further enhance the student's group leadership skills, which is directly related to running task groups within an organization. Junior standing required. Prerequisites: SOCW 1301, SOCW 2318 and SOCW 3331. Prerequisites or Co-requisites: SOCW 3327 and SOCW 3328.

**3356 Counseling and Treatment for Substance Use Disorders 3 hours**

This course will explore historical and contemporary approaches to counseling and treatment of substance use disorders. It will examine scientific evidence related to the effectiveness of different approaches, and will explore key competencies for addiction counseling and the "12 Core Functions" of chemical dependency counseling (including the knowledge, skills, and attitudes of professional practice). Instruction will include demonstrations, case studies, role plays, and experiential activities designed to promote integration and application of principles related to diversity and inclusion, clinical ethics, and client-centered evidence-based practice. Same as CRJ 3356 and PSYC 3356. Prerequisite: PSYC 2326 (same as CRJ 2326, CRIM 2326 and SOCW 2326).

**4343 Race, Class and Gender 3 hours**

This course analyzes the forms and consequences of race, class

and gender oppression in the United States. Contemporary and classical theories of stratification are reviewed. Mechanisms that perpetuate inequality are identified. Related social research and economic data are examined. Students are expected to analyze a variety of viewpoints and to clarify their own beliefs and values regarding issues of social justice. Same as SOCI 4343. Prerequisites: SOCI 1301, CULF 1320 and CULF 2321. Fall, Spring.

#### **4344 Generalist Practice II: Macro Systems 3 hours**

The primary purpose of this course is to provide students opportunities to learn the theories and skills of generalist social work practice for interventions with organizations, communities and other macro systems. Research on which these theories and skills are based is reviewed. The implications of diversity issues for interventions with macro systems are considered. The values and ethics that guide professional practice are examined. Learning activities may include organizational analysis, grant writing, program evaluation and documentation of a macro system intervention under the auspices of a community social service agency. Co-requisite: SOCW 4650.

#### **4149, 4249, 4349 Topics in Social Work 1–3 hours** May be repeated as topics change.

#### **4650 Field Practicum and Seminar I 6 hours**

This course includes a 16-hour-per-week field practicum under the supervision of an experienced, licensed social worker and a two-hour, on-campus seminar. In the field, each student is placed in a social service agency compatible with the student's career interests. Through the weekly seminar, the students explore interventions at various levels of generalist social work practice in a variety of agencies. The weekly seminar is also used to emphasize the influence of diversity issues and the importance of professional ethics. Application for field placement should be completed the semester prior to enrollment. A GPA of 2.25 in Social Work core courses and at least a grade of C in SOCW 3347 and SOCW 3348 are required for admission to field practicum. Prerequisites: SOCW 1301, SOCW 2318, SOCW 3327, SOCW 3328, SOCW 3331, SOCW 3341, SOCW 3347 and SOCW 3348. Fall, Spring.

#### **4651 Field Practicum and Seminar II 6 hours**

This course is the continuation of SOCW 4650 and includes 16 hours per week of internship in a social service agency and a weekly seminar on campus. Students in the second semester of field practicum are required to develop a project that demonstrates their ability to apply macro-level knowledge, theory and skills within the context of their field practicum. The combined practice experience and seminar is intended to help each student develop his or her own style of practice. The weekly seminar also guides students through a process of creating a portfolio to demonstrate their competence in relation to the learning outcome objectives of the Social Work program. This process culminates in an individual oral exam for each student, conducted by a faculty member and a field instructor. A cumulative GPA of 2.25 in Social Work core courses and a minimum grade of C in SOCW 4650 are required for admission to the field practicum. Prerequisites: SOCW 1301, SOCW 2318, SOCW 3327, SOCW 3328, SOCW 3331, SOCW 3341, SOCW 3347 and SOCW 3348. Fall, Spring.

## **Sociology (SOCI)**

#### **1301 Self and Society 3 hours**

This course is an introduction to understanding what sociology

is about. It explores the discipline through an examination of sociological questions and concepts and ways of analyzing social life. The focus is on how human societies organize themselves; how culture, socialization, norms, values, power relations, social institutions and group interaction affect the individual; and how, in turn, societies are transformed by human action. Of particular concern are the problems facing contemporary societies. Students are expected to confirm their understanding of these basic sociological concepts about the social world. This course is a prerequisite for many of our other sociology courses. Fall, Spring.

#### **2318 Social Welfare: The Historical Response to Need in the United States 3 hours**

This course explores the development of social welfare systems, policies and programs, in historical, societal and organizational contexts. Social problems and the responses to them by government at the state and federal level in the United States are explored from the Colonial Period to present day. The role of social policy in the daily lives of individuals, families, groups and communities is discussed. Conducting the annual Well Fair at St. Edward's will be part of the course requirements. This course is a prerequisite to Social Policy: Policy Practice in the United States. Same as SOCW 2318. Prerequisite or Co-Requisite: CULF 2231 American Dilemmas.

#### **2329 Social Statistics 3 hours**

This course includes basic statistical methods, emphasizing a social science application of measurement. Topics covered include: measurement, scales, measures of central tendency, measures of variability, t-distribution, correlation, chi square, non-parametric statistics, multiple regression and causality. Students are expected to apply these basic statistical procedures to the social world using the statistical software program SPSS. This course is a prerequisite for SOCI 3330. Fall, Spring.

#### **2345 Social Theory 3 hours**

This course provides a comprehensive study of sociological theories from the beginning of sociology to the present. Students are expected to apply this theoretical knowledge to contemporary social problems, in preparation for their upper-division courses in sociology. Prerequisite: SOCI 1301 or approved equivalent. Fall.

#### **2149, 2249, 2349 Topics in Sociology 1–3 hours** May be repeated as topics change. Fall, Spring.

#### **3315 Sociology of the Environment 3 hours**

This course examines how people interact with the natural environments in which they are embedded. Topics covered include the economic, political, cultural and demographic forces that drive human modification of the natural world, the resulting social and environmental problems, public controversies and the role of inequality and social justice in relation to the environment. The course also examines movements and policies related to environmental issues, and the prospects for the emergence of more environmentally "sustainable" societies. Students are expected to conduct an independent analysis of an environmental issue.

#### **3327 Marriage and Family 3 hours**

This course examines contemporary marriage and family in American society. Topics include gender roles, sexual values, dating and mate selection, alternative families and lifestyles, communication and conflict, domestic violence, dysfunctional families, chemical dependency, divorce, remarriage, and stepfamilies. Current research and concepts related to family counseling are examined. Cultural diversity in marriage



and family customs is considered. This course provides the knowledge base for family assessment or for understanding one's own family. Same as SOCW 3327. Prerequisite: PSYC 2301 or SOCI 1301. Fall, Spring.

**3330 Social Research** **3 hours**  
Fundamentals of research design, data collection and analysis are presented. The nature of bias in research is explored. The development of skills for using and conducting research in practice settings is emphasized. Same as SOCW 3330. Prerequisite: SOCI 2329. Fall, Spring.

**3334 Sociology of Religion** **3 hours**  
This course examines religious beliefs, behaviors and structures as they relate to contemporary America. In addition to studying established religious forms, attention is given to public controversies connected with religion and to new religious movements and trends. Students are expected to conduct an independent analysis of a religious issue.

**4343 Race, Class and Gender** **3 hours**  
This course analyzes the forms and consequences of race, class and gender oppression in the United States. Contemporary and classical theories of stratification are reviewed. Mechanisms that perpetuate inequality are identified. Related social research and economic data are examined. Students are expected to analyze a variety of viewpoints and to clarify their own beliefs and values regarding issues of social justice. Same as SOCW 4343. Prerequisites: SOCI 1301, CULF 1320 and CULF 2321. Fall, Spring.

**4346 Urban Sociology** **3 hours**  
This course is about how sociologists look at cities, how the urban landscape affects people and how people modify it. Topics include the origin and development of cities, the social-psychological consequences of life in an urban environment, urban social organization, social relationships within metropolitan areas, urban planning and contemporary urban redevelopment. Students are expected to conduct an independent analysis of an urban issue.

**4149, 4249, 4349 Topics in Sociology** **1–3 hours**  
May be repeated as topics change. Prerequisite: SOCI 3330 or approved equivalent. Fall, Spring.

**4352 Integrative Sociology Seminar** **3 hours**  
This course, open to Sociology majors only, is based on two important objectives in undergraduate Sociology education. First, it focuses on experiential learning through the application of students' sociological knowledge and skills in a field setting. Secondly, it combines students' academic interests, career objectives, and understanding of social justice in a culminating sociological experience. This course will draw upon theories and concepts covered in previous sociology courses — social theory, social research, social statistics, and self and society — and provide students with an opportunity to integrate and complete an empirical research project through a supervised internship in a community organization whose mission focuses on some form of social justice. Students are required to apply to the instructor for acceptance into the course one semester in advance, must plan to spend 150 hours in the field, and will attend a seminar with their classmates and faculty member. Open to Sociology majors only. Prerequisites: Senior standing and completion of SOCI 2329, SOCI 2345, and SOCI 3330. Spring.

## Spanish (SPAN)

**All students must take the Spanish placement test**

**before being admitted to their first Spanish-language course at St. Edward's University. Spanish courses 1311–2312 are designed for students whose native language is NOT Spanish. Courses numbered 3330 and above require intermediate or advanced reading- and listening-comprehension skills. Intermediate-level skills correspond to the level acquired through Spanish 2312. Native speakers who are graduates of high schools in Spain or Latin America may enroll in courses 3330 or above.**

**1311 Spanish I (Introductory Level)** **3 hours**  
A beginning course stressing comprehension, speaking, reading and writing and acquisition of basic vocabulary. Extensive listening out of class is an integral part of the course. The only students who can register for this class are those that were placed at this level. Students must take the placement test unless they have never had Spanish before. Fall, Spring, Summer: on demand.

**1312 Spanish II (Introductory Level)** **3 hours**  
A continuation of the development of fundamental skills stressed in Spanish I, and further development of vocabulary and grammatical structures needed for basic proficiency. Extensive listening out of class is an integral part of the course. Prerequisite: SPAN 1311, or placement test. Fall, Spring, Summer: on demand.

**2311 Spanish III (Intermediate Level)** **3 hours**  
The semester course begins with a short review of basic grammatical patterns taught at the introductory level. Continued development of vocabulary, listening comprehension, reading and writing skills. Reading and writing assignments reinforce students' command of more-complex grammatical structures and provide topics for oral discussion. Extensive listening outside of class is an integral part of this course. Prerequisite: SPAN 1312, or placement test. Introductory-level reading ability is required. Fall, Spring.

**2312 Spanish IV (Intermediate Level)** **3 hours**  
Reading and writing assignments stress development of vocabulary and increased flexibility in expression. Oral communication skills receive extensive practice in discussion of reading assignments on a variety of topics in Hispanic culture and contemporary life. Extensive listening outside of class is an integral part of this course. Prerequisite: SPAN 2311, or placement test. Fall, Spring.

**2325 Topics in Modern Latin America and Spain** **3 hours**  
This course focuses on improving listening and reading comprehension and speed through extensive reading and the development of effective reading strategies. Class activities and assignments will also help develop vocabulary, knowledge about the Hispanic world and critical-thinking skills needed for upper-division coursework in Spanish. Spanish 2325 is recommended for both nonnative speakers and bilingual students who need to develop advanced reading and listening comprehension. Students needing this course should take it before registering for upper-division courses with extensive reading assignments. Consult with the Spanish faculty before registration. Prerequisites: SPAN 2312 with a grade of C or above, or appropriate score on the placement test. Fall, odd-numbered years, alternates with SPAN 2351.

**2326 Practical Conversation** **3 hours**  
Designed to help students improve fluency and pronunciation



and develop vocabulary needed for general purposes. Classes will require preparation for informal conversation with other students and the instructor. Textbooks, video and audio materials, and interviews with native speakers will provide source materials. Consult with Spanish faculty before registration. Prerequisites: SPAN 2312, appropriate score on the placement test or permission of Spanish instructor. Students planning to major or minor in Spanish may register for SPAN 2312 and SPAN 2326 during the same semester. Spring.

### **2351 Topics in Hispanic Studies 3 hours**

Different topics in Hispanic studies will be presented under this heading, according to student interest, including topics covering the language, its written formats, or the culture of Latin America or of Spain. Requires a minimum of intermediate proficiency in reading, writing and oral skills. Students who have placed beyond the intermediate level or who have already taken SPAN 3330 may not take this course. Prerequisites: SPAN 2312 with a grade of C or above, or permission of instructor. May be repeated for credit when topics change.

### **3322 Introduction to Hispanic Linguistics 3 hours**

This course looks at the main areas of inquiry within the field of Hispanic linguistics, including how sounds are produced (phonetics), the relationship between sounds (phonology), how words are formed (morphology), how sentences are constructed (syntax), and how the language is used in context (pragmatics). Additional topics, including the history of the language, geographic variation and discourse analysis techniques, may be covered as time permits. Prerequisite: C or better in SPAN 3330 or concurrent enrollment in SPAN 3330. Fall.

### **3330 Spanish Grammar in Context 3 hours**

This course is designed to review and extend students' understanding of the grammar of standard Spanish and to apply that knowledge in the process of composition and revision. Topics include verb tenses and mood, sentence structure, pronouns, punctuation, the use of writing tools (such as dictionaries and corpora), writing techniques, and rhetorical modes. Prerequisite: SPAN 2312 with a grade of C or above, or appropriate score on the placement test. Fall.

### **3331 Culture and Civilization of Latin America 3 hours**

The traditions, values, institutions and arts of Latin America are examined with a view toward understanding contemporary cultural patterns and their historical antecedents. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisites: SPAN 2312 with a grade of C or better, placement test, or permission of instructor. Spring, odd-numbered years.

### **3332 Spanish Culture and Civilization 3 hours**

Contemporary cultural patterns and their cultural antecedents are examined. Students will become acquainted with major historical and literary figures and historical events, visual arts and music that have contributed to world culture and to the Hispanic heritage in the New World. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisites: SPAN 2312, placement test, or permission of instructor. Fall, even-numbered years.

### **3333 Mexican-American Cultural Experience 3 hours**

This course examines the folk roots of Mexican-American culture, especially in the Southwest, and contemporary Mexican-American cultural experience and expression as well. Topics that may be examined include folklore, family

and community traditions, fine and popular arts, religious and political expressions of Mexican-American identity. Readings and textbooks for the class will be in Spanish and English, depending on sources and availability. This class is recommended as one of the culture class options for students in Bilingual Education. Prerequisites: SPAN 2312 with a grade of C or better, placement test, or permission of instructor. Fall, odd-numbered years.

### **3334 Spanish for Careers 3 hours**

A high-intermediate-level course emphasizing language skills needed in specific career fields for general use in public situations. Special textbooks and other materials are used to develop vocabulary, speaking, reading and writing skills needed in professional settings. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisites: SPAN 2312 with a grade of C or better, placement test, or permission of instructor. Fall, alternates with SPAN 3335.

### **3335 Introduction to Business Spanish 3 hours**

This course introduces students to professional Spanish on a global level as used in the business world, in areas such as accounting, banking, credit, loans, business law, real estate and management. Practical application is provided through projects focused on the Spanish-speaking business community. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisite: SPAN 3330 or permission of instructor. Fall, alternates with SPAN 3334.

### **3336 Introduction to Latin American Literature 3 hours**

A selection of poetry and drama introduces students to the wide range of literature produced in Latin America since the Spanish conquest, but modern works will be emphasized. The course stresses the use of literature as a tool to understand the values, behavior and conflicts characteristic of the times and culture rather than focusing on details of literary style. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisites: SPAN 3330 or permission of instructor. Fall, even-numbered years; alternates with SPAN 3340.

### **3340 Introduction to Spanish Literature 3 hours**

Readings of sample poetry, prose and drama from the major periods of Spanish literature. The course stresses the use of literature as an avenue to understanding the values, behavior and conflicts characteristic of each period rather than focusing on details of literary style. Requires a minimum of high-intermediate proficiency in reading, writing and oral skills. Prerequisites: SPAN 3330 or permission of instructor. Fall, odd-numbered years; alternates with SPAN 3336, Introduction to Latin American Literature.

### **3341 Effective Written Communication 3 hours**

The course focuses on all four language skills but with emphasis on a high level of achievement and proficiency in written Spanish. Areas of concentration are expository writing, narration, description, professional correspondence and literary analysis. Class work and assignments include grammar review, oral presentations of written work, correct dictionary use and research, and outside reading for the examination of various prose styles. Prerequisite: C or better in SPAN 3330 or consent of instructor. Spring.

**3343 Political and Economic Culture of Latin America 3 hours**

After a brief overview of the history of the area, students will move into a more focused study of the political and economic development of a particular region. Topics of inquiry will include authoritarianism, economic development, revolution, neoliberal reform and democracy. Comparative analysis of the political and economic culture of different countries within the region, as well as their relationship to the United States, will be included. Prerequisite: SPAN 3330 or permission of instructor. Offered occasionally.

**3348 Topics in Hispanic Linguistics 3 hours**

This course will cover topics such as the history of the Spanish language (historical linguistics), the analysis of Spanish discourse (discourse analysis), and linguistic variations among various socio-economic strata (sociolinguistics) as well as geographic regions (dialectology). May be repeated for credit when topic changes. Prerequisite: SPAN 3322, or LING 3330 or permission of instructor. Offered occasionally.

**3399 Topics in Spanish 3 hours**

Different topics will be presented under this heading, including topics covering the language, its written formats, or the culture of Latin America or of Spain. May be repeated for credit when topics change. Offered occasionally.

**4301 Advanced Topics in Hispanic Culture 3 hours**

Topics concerning contemporary culture or key historical periods in Hispanic culture. Contemporary topics might include political and civil liberties in Latin America, the role of the church in Hispanic societies, the popular arts of Latin America, popular culture of Hispanic societies, and social and political trends in Latin America. Historical topics might include a survey of pre-Columbian cultures of Mexico, Creole and mestizo culture of the Colonial Empire, and the Golden Age of art and literature. Prerequisite: SPAN 3330 or permission of instructor. Offered occasionally.

**4302 Advanced Topics in Hispanic Linguistics 3 hours**

This advanced-level seminar may be presented as an extension of SPAN 3348, Topics in Hispanic Linguistics, or may treat a different topic altogether, according to student interest. May be repeated for credit when topic changes. Prerequisite: SPAN 3322, or LING 3330 or permission of instructor. Offered occasionally.

**4303 Topics in Latin American Literature 3 hours**

Study of literature of a specific period, region, genre or theme. Sample topics include Modern Latin American Novel, Novel of the Mexican Revolution, Short Story, Literature for Children, Chicano Literature, and Latin American Authors in Translation. Requires advanced-level reading skills. Prerequisites: SPAN 3330 or permission of instructor. May be repeated for credit when topic changes. Offered occasionally.

**4305 Introduction to Translation 3 hours**

Various techniques will be presented to help students learn the art of translation and interpretation. Although translation from Spanish to English will be studied, greater emphasis will be given to translations from English to Spanish, since this is the greater need in the United States. Students will practice with documents from different sources, including public service announcements and literature. Prerequisites: SPAN 3341 or concurrent enrollment and permission of instructor.

**4308 Hispanic Children's Literature 3 hours**

This course is taught as a survey of literature in Spanish written

for children and adolescents. The course stresses the use of literature as an avenue to understanding the values, behavior and conflicts characteristic of cultural evolution in different Hispanic countries rather than focusing on details of literary style. Prerequisites: C or better in SPAN 3330 or permission of instructor. Spring, odd-numbered years.

**4320 Directed Study for Experience Abroad 3 hours**

For this course, students will actually "experience" the culture in a Spanish-speaking country through specific assignments of appropriate activities, such as visiting organizations and consulting with native professionals. Prerequisites: SPAN 3330 and a minimum of high-intermediate proficiency in reading, writing and oral skills. SPAN 3334 or SPAN 3335 preferred; coordinate with faculty member who will be your director.

**4342 Professional Oral Communication 3 hours**

Emphasis on the development of oral communication skills through a series of activities, beginning with informal speaking situations and progressing to formal oral presentations. Vocabulary development, standard pronunciation and grammar are stressed. Requires advanced-level reading skills. Prerequisites: Junior standing; SPAN 3330 or permission of instructor. Offered occasionally.

**4347 Advanced Business Spanish 3 hours**

Advanced Business Spanish continues the development of the professional lexicon utilized in different areas of business, such as accounting, banking, credit, loans, business law, real estate and management. Practical application is provided through projects performed in the business community. Requires a minimum of advanced proficiency in reading, writing and oral skills. Prerequisites: SPAN 3330 and SPAN 3335. Offered occasionally.

**4350 Internship in Spanish 3 hours**

An option for Spanish majors. Open to other students. The internship gives students an opportunity to put language skills into use in a specific professional setting and to continue to learn specialized communication skills. Internships may be arranged with offices on campus, government or public agencies, schools, or private businesses that need individuals who can communicate in written and oral Spanish. Specific objectives will be developed for each intern, taking into account the needs and goals of the student. Internships in Mexico, Peru and other Hispanic countries may be arranged for Summer and long-term sessions. See members of the Spanish faculty. Students must preregister for internship courses. May be repeated once for credit. Prerequisites: Junior standing required, senior standing preferred. Instructor permission required.

**4152, 4252, 4352****Language-Instruction Internship 1–3 hours**

Interns serve as teaching assistants in beginning and intermediate-level Spanish courses depending on the level of their fluency. They assist instructors in tasks involving planning, developing materials, teaching, facilitating small-group activities, evaluating student progress, providing feedback on written assignments and tests, conducting informal student conferences, keeping records, and grading. Interns work closely with the instructor, who provides guidance and feedback. Course can be taken for one, two or three hours; workload will vary depending on number or credits for which the student is enrolled. Fall, Spring.

**4398 Senior Seminar 3 hours**

The senior seminar explores in depth a shifting field of topics.

Students will go into depth on a particular subject while also connecting themes they have studied in their major field. The course allows students to demonstrate their familiarity with Hispanic cultural and linguistic topics, as well as methods of analysis and presentation, culminating in the preparation and presentation of a major research project. It is primarily a discussion course that relies heavily on individual as well as collective effort. Required for Spanish majors, but open to all students who have completed SPAN 3341. May be repeated for credit when topic changes. Spring

**4399 Advanced Topics in Spanish 3 hours**  
Advanced topics will be presented under this heading, including topics covering the language, its written formats, or the culture of Latin America or of Spain. May be repeated for credit when topics change.

## Special Education (SPED)

**2324 Introduction to Special Education 3 hours**  
Course provides for the examination of types, characteristics, and causes of various exceptionalities; identifies federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community. Prerequisite: EDUC 1330.

**2336 Characteristics of Students with Learning and Behavioral Problems 3 hours**  
The primary focus of this teacher-preparation special topics course is to provide characteristic and etiology of special education students with mild disabilities who are often served in the general education classroom. The role of the classroom teacher in the special education process is addressed, as well as classroom management and accommodations for students with mild disabilities. Prerequisite: SPED 2324.

**2338 Teaching Students with Emotional and Behavioral Disorders 3 hours**  
This course addresses topics associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisite: SPED 2324.

**3125 Special Education and the Law 1 hour**  
An introduction to the litigation and legislation that has produced our special education system. The course will highlight the requirements of the Individuals with Disabilities Education Act (IDEA) and its regulations, with an emphasis on the practical implications for educators, parents and students. Prerequisites: EDUC 2331, SPED 2324.

**3340 Adapting Instruction for Students with Mild/Moderate Disabilities 3 hours**  
This teacher preparation special topics course will provide information about the curricular and instructional modifications for students with mild learning and behavioral problems in the general education classroom. Specific methods for adapting instruction under a variety of classroom conditions will be presented. Prerequisites: EDUC 2331, SPED 2324 and SPED 2336.

**3341 Classroom and Behavior Strategies for Students with Disabilities 3 hours**  
This course provides information on effective strategies for classroom management. Topics include common management problems, evaluation of classroom management approaches,

strategies for preventing behavior problems, teaching new behaviors, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisites: SPED 2324 and SPED 2336.

**3344 Assessing Students with Disabilities 3 hours**  
This course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction or remediation. Prerequisites: SPED 2324, SPED 2336, and SPED 3340.

**3345 Teaching Reading, Language Arts, and Math to Students with Disabilities 3 hours**  
This course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas. Prerequisite: SPED 2324.

**3352 Teaching Students with Autism Spectrum Disorders (ASD) 3 hours**  
This course provides information of etiological theories, characteristics, specialized assessment methods and specific instructional strategies pertaining to the management of children/youth with ASD. Prerequisites: SPED 2324, SPED 2336, SPED 2338 and SPED 3340.

## Special Studies Programs (ESPG)

**4601 Approved External Study Program 6 hours**

**4001 Approved External Study Program 12 hours**

**4302 McNair Research Internship 3 hours**  
McNair Scholars conduct independent research under the guidance of a faculty mentor for an eight-week summer internship. The internship requires a commitment of 320 hours from the scholar. At the conclusion of the internship, scholars will present their research findings at a St. Edward's University McNair Scholars Symposium and submit a scholarly research paper suitable for submission for publication in a scholarly journal. During the internship, scholars will also attend workshops on GRE preparation, graduate school preparation and research methodology. Prerequisite: Acceptance to the McNair Scholars Program, junior standing and consent of the director of the McNair Scholars Program. Summer.

**4305, 4605 Fulbright Scholars 3 or 6 hours**

## Study Abroad (SABR)

**2150 The Study Abroad Experience 1 hour**  
This course is required for students who are studying abroad in a semester-long program on an exchange or provider program and is optional for Angers Semester students. The course requires students to digitally document their time abroad with a reflective video, or, with instructor permission, submit their reflection in an alternate format such as a paper or blog. If students study abroad more than once, they are required to take the course each semester they are abroad and submit a unique project for each instance of the course. Projects will be graded. Taken on a pass/no pass basis for one credit hour.

**3212 Education Abroad Seminar: Post-experience Reflection 2 hours**  
A two-credit-hour course designed as part of the Global

Understanding Program curriculum, this course helps students reflect upon and integrate aspects of their study-abroad experience into their remaining studies at St. Edward's. Students will complete and present an academic paper that reflects advanced understanding, gained through the education-abroad experience, of their major or minor course of study and/or host country. Fall, Spring.

*Registration in the course numbers below permits the student to remain in the St. Edward's database as an active St. Edward's student while studying abroad. (Questions about financial assistance for study abroad or billing should be directed to the Office of Student Financial Services.)*

A student's study-abroad program and the courses to be taken should be approved in advance by the appropriate individual in the dean's office of the school of the student's major. To register for an SABR course, a student's advisor must clear him or her to register for the respective session. The Office of International Education in Moody Hall 102 will add the student's name to the list of students eligible to register for an SABR course after the student has completed the necessary procedures for studying abroad. Fall, Spring, Summer.

**4101, 4201, 4301, 4401 Study Abroad: ISEP (International Student Exchange Program) 1–4 hours**

**4205, 4405 Study Abroad: Fachhochschule Koblenz 2 or 4 hours**

**4106, 4206, 4306, 4406, 4506, 4606 Study Abroad: Approved Study Abroad 1–6 hours**

**4109, 4209, 4309, 4409 Study Abroad: Tec de Monterrey 1–4 hours**

**4110, 4210, 4310, 4410 Study Abroad: Argentina de la Empresa 1–4 hours**

**4013, 4313 Study Abroad: Angers, France 0, 3 hours**

**4114, 4214, 4314, 4414, Study Abroad: Queen Margaret University 1–4 hours**

**4115, 4215, 4315, 4415 Study Abroad: Université Catholique de l'Ouest 1–4 hours**

**4116, 4216, 4316, 4416, 4516 Study Abroad: Catholic University of Korea 1–5 hours**

**4117, 4317, 4417, 4617 Study Abroad: Asia Pacific University, Japan 1, 3, 4 or 6 hours**

**4118, 4218, 4318, 4418 Study Abroad: Universitat Jaume I 1–4 hours**

**4119, 4219, 4319, 4419, 4619 Study Abroad: Universidad Pontifical Comillas 1–4, or 6 hours**

**4120, 4220, 4320, 4420 Study Abroad: Universidad Adolfo Ibanez 1–4 hours**

**4121, 4221, 4321, 4421 Study Abroad: Universidad Tecnica Federico Santa Maria 1–4 hours**

## Theater Arts (THAR)

**1311 Acting for Non-Majors 3 hours**

An exploration of the nature of the theater. Course includes exercises in fundamental acting techniques: concentration, relaxation, emotional and sense memory, and improvisation. Textual and character analysis will also be introduced. The course involves a service-learning component connected to a Mary Moody Northen Theatre production. For Theater Arts

minors and non-majors. Spring.

**1116 Musical Theater Dance 1 hour**

Students will focus on the various forms of dance, which they will encounter in performing musical theater. A major concentration on jazz, but also tap and ballet will be focal points of this course. Preparation for musical theater dance audition will be a key component of this course as well. Students must have completed a semester of ballet, tap and jazz to be permitted to take this course.

**1330 Theater Skills I: Stagecraft and Lighting 3 hours**

Introduction to the materials, tools and methodology used in the construction and painting of scenery and to basic drafting techniques. Introduction to the theories and skills of stage lighting. A laboratory is required for this class. Fall, Spring.

**1331 Theater Skills II: Costume and Makeup 3 hours**

Introduction to the materials, tools and methodology used in costume construction and to the theories and techniques of stage makeup. A laboratory is required for this class. Fall, Spring.

**1351 Performance IA 3 hours**

An introduction to the process of making meaning through performance, including a historical review of methods of teaching acting and the development of a conceptual vocabulary and a movement vocabulary for use in rehearsal and performance. Introduction to character design and script breakdown. Fall.

**1352 Performance IB 3 hours**

A continuation of the process begun in Performance IA, including the application of conceptual and movement vocabulary to text analysis, character design and scene study. Prerequisite: THAR 1351. Spring.

**2304 Drafting for the Theater 3 hours**

Drafting for the Theater introduces the student to the basic hand-drafting skills needed for the theater, including orthographic drawings, ground plans, sections and front elevations. In the second half of the class we translate those skills into CAD utilizing the program Vectorworks. In addition, an introduction to Spotlight for light plots will be included in the second half of the class.

**2306 Drawing & Rendering for the Theater 3 hours**

This course focuses on drawing and painting techniques used for theatrical costume and set design. Figure drawing, mechanical perspective, light and shadow studies, and painting with watercolor, gouache and markers give students the tools to express their design ideas with greater artistry and precision.

**2310 Design for Performance 3 hours**

This introductory course will examine the shared conceptual principles employed to formulate three-dimensional designs for scenery, lighting, costumes, makeup and sound. The course introduces the basic vocabulary of design and the principles and elements of design as they apply to theater, film and television. Various styles of design and major historical movements in the arts will be explored. Prerequisites: THAR 1330 and THAR 1331 for Theater Arts majors; no prerequisites for non-majors. Fall, Spring.

**2314 History of Costume & Décor 3 hours**

Through a chronological study of clothing and architecture in tandem, students trace the development of design and changing aesthetics from pre-historic times through the 20th century. By



collecting examples to represent each historical period, students build a reference notebook, which may inspire and inform future research and production work. Fall, even-numbered years.

### **2320 Costume Technology** **3 hours**

This course is a two-segment class designed to introduce students to the basic materials, tools and methodology used in costume construction and crafting. The content of the class rotates between even and odd years, allowing students to retake the class for additional credit. Even-year topics cover basic principles utilized in draping and millinery for the theater. This segment introduces the theatrical costume design and technology student to the basics of pattern development and construction technology used to develop a 3-dimensional theatrical costume silhouette utilizing flat patterning or draping technology through a series of exercises and advanced projects. Students will be asked to create and alter basic patterns and/or manipulate commercial or sloper patterns. Odd-year topics cover basic principles required for flat patterning and painting/dyeing for the theater. This segment addresses the art and craft of millinery through the methods of patterned and blocked forms or the principles of fabric dyeing, and painting costumes as it relates to theatrical production. The studio nature of the course provides opportunity for hands-on training through various exercises, projects, presentations and practical application. Prerequisites: THAR 1331 or demonstrated sewing experience and instructor permission. Recommended: Theater Practicum or Work Study in the Costume Shop.

### **2128 Theater Practicum I** **1 hour**

Non-majors are encouraged to take Theater Practicum I to get “behind the scenes” experiences. This course involves the student in one or more aspects of theater production at Mary Moody Northen Theatre: scenery, lighting, costumes, makeup, props, sound, publicity and front-of-house. Fall, Spring.

### **2329 Body-Mind Awareness, Breath and Movement** **3 hours**

This course teaches basic techniques in a specific body-mind movement modality, such as yoga, Feldenkrais, Pilates and/or Alexander Technique. The course addresses alignment, form, breath awareness methods, and meditation techniques that lead to a feeling of inner peace and a natural state of relaxation. Regular practice in body-mind techniques can help improve flexibility, strength, body awareness and concentration. The course also incorporates a powerful system to investigate and dissolve stressful thought patterns in order to release creativity and effectiveness.

### **2130 Theater Practicum II** **1 hour**

For majors only. This course involves the student in one or more aspects of theater production at Mary Moody Northen Theatre: scenery, lighting, costumes, makeup, props, sound, publicity and front-of-house. Prerequisite: THAR 2128. Fall, Spring.

### **2336 Topics in Theater** **3 hours**

This course is designed for an exploration of one of the many facets of theater and drama. Course may be repeated as topics change.

### **2347 Play Analysis** **3 hours**

Play Analysis is a course that gives students a basic familiarity with the principles of play reading, which will provide a foundation for their future work in all areas of the theater: acting, directing, design or management. The script or scenario is the fundamental document on which all theater is based. This course is also aimed at all inquiring minds that recognize the

vast riches available in the body of dramatic literature through the ages. The fundamental assumption is that play analysis — reading plays — is a skill acquired through repeated use and experience.

### **2361 Theater History I** **3 hours**

A survey of the development of drama from Greek origins through the Elizabethan period. Reading of plays from each period and critical discussion. This course is recommended for non-majors. Fall.

### **2362 Theater History II** **3 hours**

A continuation of the survey begun in Theater History I, focusing on the Restoration period through the present. Reading of plays from each period and critical discussion. This course is recommended for non-majors. Theater History I and II need not be taken in sequence. Spring.

### **3307 Voice I** **3 hours**

Vocal training for actors. Techniques based in somatic movement approaches teach the actor how to create a practice of breathing coordination with phonation, resonance and articulation. Application of techniques for various purposes, including stage, camera and voiceovers. Prerequisites: THAR 1351, 1352. Spring.

### **3308 Voice II** **3 hours**

Continuation of voice and movement techniques learned in Voice I, with emphasis on heightened vocal demands and Shakespeare. Prerequisites: THAR 3330, 3307. Fall.

### **3312 Exploration of Movement** **3 hours**

Physical exploration of theatrical movement styles as they relate to performance. Focus is on physical awareness, engagement, breath and approaches to character development. Prerequisite: THAR 1352. Spring.

### **3322 Acting for the Camera I** **3 hours**

Development and application of the necessary performance techniques required for film and television acting. Students receive practical experience in front of the camera and are introduced to the unique vocabulary of the medium. Prerequisite: THAR 3330. Fall.

### **3323 Lighting Design** **3 hours**

Theories and skills of stage lighting approached from a technology and an aesthetic viewpoint leading to the practical planning of light plot and hook-ups for theatrical productions. Includes work in lighting fixtures, color and basic design. A laboratory is required for this class. Prerequisites: THAR 1330 and THAR 2310.

### **3324 Scene Design** **3 hours**

An examination of the principles involved in creating a scenic design for the theater and other applications. The class will include the study of the elements and principles of design, research, design procedures and model building. Prerequisites: THAR 1330 and THAR 2310.

### **3325 Costume Design** **3 hours**

Students learn how to read a text for clues to costume, the basics of historical and inspirational research, and the creative and practical process of the costume designer. By designing selected costumes on paper for several contrasting plays and musicals, students learn to interpret research, translate ideas to the page, and practice storytelling through clothing and character. Prerequisites: THAR 1331 and THAR 2310.

### **3326 Makeup Design** **3 hours**

This course will examine the design of makeup for theater, film

and television. Emphasis will be placed on characterization based on information found in the script, the director's concept, the style of production, and research reflecting the period and environment of the play. The course will include advanced makeup techniques and practical application. Prerequisites: THAR 1330, THAR 1331 and THAR 2310.

## **3328 Technology Studio 3 hours**

This class will introduce the student to more advanced technology concepts then can be covered in the Skills classes and the Practicum requirements, such as advanced electrical concepts, programming of a variety of moving light fixtures, sound engineering practices and advance rigging concepts. A laboratory component will be part of this class. Developing and implementing a project for a specific show need is possible. Prerequisites: THAR 2304, THAR 3323 and THAR 3324. Offered on odd school years

## **3330 Performance II 3 hours**

Techniques necessary for the development of a character and the creation of a performance. Focus on interaction with other characters through extensive scene work in a variety of modern styles. Prerequisite: Acceptance into the BFA Degree Program and instructor approval. Fall.

## **3333 Musical Theater I 3 hours**

Introduction to musical theater as an art form. Work on musical theater scenes as the synthesis of acting, singing and dancing. Prerequisite: Consent of instructor.

## **3334 Theater Management I 3 hours**

This course provides an introduction to the concepts of management as an element of theater production and organizational operations. The course focuses on the requirements of the day-to-day operations of a theater center with a special emphasis on the agency's responsibility to its stakeholders, including the community, the board, audience members, production staff, guest artists, company members and volunteers. Topics include organizational philosophies and analysis, establishing audience attitudes and expectations, box office and accounting, front of house management and publicity. Fall.

## **3136, 3236, 3336 Topics in Theater 1–3 hours**

Designed for an exploration of one of the many facets of theater and drama. Course may be repeated as topics change.

## **3337 Directing 3 hours**

Study of the principles and techniques of play direction, with particular attention focused on analysis of scripts, development of plans of staging and work with actors. Prerequisites: THAR 2310, THAR 2347, THAR 2361, THAR 2362, nine additional hours of Theater courses, junior standing or consent of instructor. Fall.

## **3338 Performance III 3 hours**

Advanced training in acting styles, selected from the Greek, Roman, Medieval, Shakespearean, Restoration, Commedia and various 20th-century styles. Prerequisites: THAR 2361, THAR 2362, THAR 3307 or THAR 3308, and qualifying audition. Fall.

## **3340 Stage Management 3 hours**

This course will be divided into preproduction, rehearsal period, tech/running and maintenance of production segments. The objective is to thoroughly introduce the student to the different venues of theater from small storefront theaters to large regional theaters. Although the emphasis will be on management practices for theater in all venues, there will be an element of the practical day-to-day "nuts and bolts" in the stage management

process, divided into preproduction and postproduction processes.

## **3153 Theater Practicum III 1 hour**

This course involves the student more intensely in one or more aspects of theater production at Mary Moody Northern Theatre: scenery, lighting, costumes, makeup, props, sound, publicity and front-of-house. Prerequisites: THAR 2128 and THAR 2130. Fall, Spring.

## **4301 Portfolio Development 3 hours**

This course focuses on the development of a presentational and professional portfolio. Initial assessment of student work deals with portfolio quality as a means of communication appropriate to the student's aspirations as a designer. Simulated job interviews and outside critique are components. Ideally taken second semester of the junior year to allow for ongoing development. Prerequisites: THAR 1330, THAR 1331, THAR 2310; ARTS 1316; and at least two of the following: THAR 3323, THAR 3324, THAR 3325 or THAR 3326. Spring.

## **4318 Voice III 3 hours**

Techniques of acquiring and incorporating dialects and accents for stage and film. This course introduces the student to various methods of learning, including understanding of the International Phonetic Alphabet, kinesthetic understanding, and rhythmic integration. Prerequisites: THAR 3330, 3307, 3308. Spring.

## **4332 Acting for the Camera II 3 hours**

Continuation of the development and application of the necessary performance techniques required for film and television acting. Students receive experience in front of the camera with more demanding material and will complete the course with some material for their professional reel. Prerequisites: Performance IA through Performance IV and all previously required voice and movement courses in degree sequence. Spring.

## **4341 Performance IV 3 hours**

Intensive individual work at an advanced level, culminating in an acting recital. Prerequisites: All Acting emphasis requirements. Spring.

## **4342 Scenic Projects 3 hours**

Deals with the interpretation of a script in relation to the scenic requirements of a production. Scenic projects include the development of floor plans, elevations, painter's elevations, and a working model or rendering. Students work with properties and scenic painting techniques. Prerequisite: Consent of instructor.

## **4343 Lighting Projects 3 hours**

Deals with the interpretation of a script in relation to the lighting requirements of a production. Lighting projects include the development of the light plot, section, instrument schedule and work related to the actual production. Prerequisite: Consent of instructor.

## **4344 Costume Projects 3 hours**

Deals with the interpretation of a script in relation to the costuming requirements of a production. Costume projects include researching, designing, budgeting, swatching and constructing an actual production. Costume work also includes some rendering and a continuation of costume history. Prerequisite: Consent of instructor.

## **4145, 4245, 4345 Special Projects 1–3 hours**

Students will complete special projects connected to specified aspects of production work. Prerequisite: Consent of instructor.

## **4346 Makeup Projects 3 hours**

The student will interpret a script in relation to the makeup

design requirements of a production in theater, film or television. Makeup projects include researching, designing, creating budgets, purchasing products and creating facial plots for an actual production in our main theater. The course also includes a continuation of the history of makeup. Prerequisites: THAR 3326 and consent of instructor.

#### **4348 Theater Management II 3 hours**

This course develops and expands upon the topics presented in Theater Management I. Includes a significant focus on theater management case studies and the application of concepts. Prerequisites: THAR 3334, MGMT 2301, PSYC 2301 or PSYC 2316, PHIL 2303, MGMT 2320. Spring.

#### **4349 Special Topics in Theater Management 3 hours**

This course is designed to allow for exploration of one of the many facets in theater management. Topics may include, but are not limited to, Eventology, Production Management, House Management, Box Office Management, Nonprofit Theater Management, directed reading and the like. Course may be repeated for credit as topics vary.

#### **4150 Internship 1 hour**

Designed to meet the professional needs of an advanced student through assignment to various theater or arts organizations. May be repeated once for credit. For positions requiring 40–60 hours of work during a semester. Prerequisite: Consent of instructor.

#### **4250 Internship 2 hours**

Designed to meet the professional needs of an advanced student through assignment to various theater or arts organizations. May be repeated once for credit. For positions requiring 80–100 hours of work during a semester, including assistantships for THAR classes. Prerequisite: Consent of instructor.

#### **4350 Internship 3 hours**

Designed to meet the professional needs of an advanced student through assignment to various theater or arts organizations. May be repeated once for credit. For positions requiring 120–150 hours of work during a semester. Prerequisite: Consent of instructor.

#### **4154 Theater Practicum IV 1 hour**

This course involves the student in one or more aspects of theater production at Mary Moody Northen Theatre. It provides students with more responsibility for such things as scenery, lighting, costumes, makeup, props, sound, publicity and box-office activities. Prerequisites: THAR 2128, THAR 2130 and THAR 3153. Fall, Spring.

#### **4355 Performance V 3 hours**

A professional and practical application of techniques learned in Performance IV with emphasis placed on preparing for a professional showcase with agents and casting directors. Students will properly prep work and line up showcase guests. Prerequisites: ALL required previous performance, voice and movement courses in degree sequence. Spring.

#### **4356 Computer Design Skills 3 hours**

Offered in even-numbered school years, this class will let the student explore and grow in their use of several computer programs to realize visual representations of their designs. Programs used in the class include Vectorworks, Renderworks, Photoshop, InDesign and Sketch up. Prerequisites: THAR 2306, THAR 3323 or THAR 3324 or THAR 3325.

#### **4357 Professional Preparation 3 hours**

This course is designed to prepare the student for the realities and rigors of the business side of the arts with specific emphasis

on theater, television and film. An understanding of the roles of the actors' unions, agents and casting directors in the professional world as well as the reality of living in a major city like New York or Los Angeles will be discussed. The audition process for stage and screen, from how to get the audition to booking the role, will be explored using both performance and projects, as well as the audition/interview process for graduate school. Prerequisite: THAR 4341. Fall.

#### **4359 Stage Management II 3 hours**

This course will cover in-depth procedures from first production meeting to closing/strike of a professional theatrical production. Professional stage management procedures will be stressed with a full understanding of Actor's Equity Association's different contracts, rules and procedures, safety issues, stage management forms and formats as well as other industry unions and organizations.

#### **4363 Lighting Design II 3 hours**

Expanding on what the student learned in Lighting Design I, this class will focus on creating a more complete lighting design project completing two full thought-out paper designs with shop orders, which will each include a lab component. The class will also collaborate with select Performance Classes. Prerequisites: THAR 2304, THAR 2306 and THAR 3323.

#### **4364 Scene Design II 3 hours**

Expanding on what the student learned in Scene Design I, this class will focus on more difficult scenic design challenges and take the student further toward a more complete design packet, including colored models, full set of designer draftings and painter elevations. Class projects will result in portfolio pieces. Prerequisites: THAR 2304, 2306 and THAR 3324.

#### **4365 Costume Design II 3 hours**

This course asks students who have completed Costume Design I to take their design ideas closer to realization through fabric choices, more detailed research, and the overall design perspective required for complete plays. Class projects should result in portfolio pieces virtually ready to go into production. Prerequisites: THAR 2320, THAR 2306 and THAR 3325.

#### **4266 Master Design Class 2 hours**

Students who have completed courses in at least two areas of design study will have the opportunity to create cohesive production designs on paper and in model form, incorporating all the areas of set, costume, lighting and make up. Instructors and invited guests in each field of design and direction will participate in guidance and critique of the student work. Prerequisites: The student's respective Design II class, THAR 3325 or THAR 3323 or THAR 3324 or permission of instructor.

## **Visual Studies (VISU)**

#### **1100 First Year Seminar in Visual Studies 1 hour**

The First Year Seminar in Visual Studies is a one-credit-hour required of students majoring in ARTS, ART EC-12, GDES and PHCO. The course provides contact with faculty, programming and academic advising specific to the majors. The course emphasizes the development of skills necessary for success in college (e.g., critical-thinking skills, time management and study skills, wellness and personal responsibility). This course is also designed to help new students adjust to the university and understand and identify with the purpose of higher education and the traditions of the Holy Cross community. Credit may not be earned for both VISU 1100 and FYSM 1100.

**1311 Visual Studies I****3 hours**

In this course, students interested in ARTS, ART EC-12, GDES and PHCO will explore a variety of media and methods for creative visual expression. With an emphasis on general visual literacy, students will develop needed technical facility for project realization including competencies in basic digital camera operation, image organization, basic image post-production and basic scanning techniques. Fall.

**3399 Special Topics in Visual Studies****3 hours**

This course is intended to provide students majoring in ARTS, GDES and PHCO with an opportunity to focus on an interdisciplinary topic in visual studies not covered in the traditional curriculum. Specific topics vary depending upon the faculty area of expertise. This course is open to all students majoring in ARTS, GDES and PHCO, or with approval of instructor. This course may be repeated for credit when topics vary. This course may substitute for PHCO 3322 with approval of the student's academic advisor.

**Wild Basin Scholars (WBRs)****3357 Wild Basin Scholars Course****3 hours**

This course entails students working in a research setting utilizing the Wild Basin Preserve as a living laboratory. Students will apply for enrollment and will be selected from each of the schools on the St. Edward's University campus. Applications put forward by students will consist of the proposed project along with the faculty member who will be mentoring that particular project for the semester. A course coordinator will have administrative oversight of the course, and will host weekly meetings with all students throughout the semester. Students for whom projects are chosen will receive a total package of \$600 to help purchase supplies and pay for miscellaneous needs

during the semester. All projects will require a final paper and presentation of the work at the SOURCE conference in the Spring semester. Fall.

**Women's Studies (WMST)****1301 Introduction to Women's Studies****3 hours**

The goal of this course is to acquaint students with issues and concepts central to Women's Studies as an academic discipline: selfhood, subjectivity, socialization, marginality, privilege, difference, commonality and community. The course will also teach students about the use of class, race, ethnicity and sexuality as categories of cultural analysis and as factors that intersect and shape women's particular experiences. We will approach and examine these topics through a range of theoretical, historical, (auto)biographical and literary readings as well as film, print media and guest lectures. Spring.

**2120, 2220, 2320****Community Service in Women's Studies 1–3 hours**

Provides a learning experience in a community service organization or agency. Provides an opportunity to learn how social agencies grapple with women's issues and to test interest and aptitude for careers in such fields. May be repeated for credit. Spring, even-numbered years.

**2339 Special Topics in Women's Studies****3 hours**

Topics are selected based on the interests and needs of students and on areas of faculty expertise. Prerequisite: WMST 1301 or permission of instructor.

**3339 Special Topics in Women's Studies****3 hours**

Topics are selected based on the interests and needs of students and on areas of faculty expertise. Prerequisite: WMST 1301 or permission of instructor.



# ADMINISTRATION

## Board of Trustees

**Chair:** Carolyn Lewis, Austin

**Vice Chair:** Graham “Hughes” Abell, Austin

**Secretary:** Timothy F. Gavin '76, Dallas

**Treasurer:** Martin Rose, Dallas

Debbie Adams, Houston

John H. Bauer '62, Seattle, Wash.

Brother James Branigan, CSC, West Haven, Conn.

Thomas L. Carter, Jr., Houston

Margaret E. Crahan, PhD, New York, N.Y.

Fowler Thomas Carter, Houston

Brother Richard P. Daly, CSC, '61, Austin

Sharon Daggett, Georgetown

Ellie Ghaznavi '89, Los Angeles, Calif.

Brother Richard B. Gilman, CSC, '65, Notre Dame, Ind.

Monsignor Elmer Holtman, Burnet

Kevin J. Koch '80, MBA '84, Temple

Regina L. Lewis, DDS, Houston

Edward E. Leyden '64, Dallas

Joseph A. Lucci III, MD, '80, Weston, Fla.

Sister Amata Miller, IHM, St. Paul, Minn.

Frank Martin Moore '63, Duncanville

Patricia Berrier Munday, Austin

Marilyn L. O'Neill '74, Boerne

Theodore R. Popp '60, San Antonio

Steve D. Shadowen '80, Harrisburg, Pa.

James W. Sharman Jr. '58, Houston

Ian J. Turpin, Austin

Duncan Knapp Underwood '95, Houston

F. Gary Valdez, MBA '78, Austin

Donna VanFleet, Brownsville, Vt.

Melba Whatley, Austin

Peter Winstead, Austin

Brother William Zaydak, CSC, Austin

George E. Martin, PhD, Austin (ex officio)

## Trustees Emeriti

Charles A. Betts, Austin

Brother Donald Blauvelt, CSC, '67, Austin

Edward M. Block '50, Key West, Fla.

Guy S. Bodine III '68, San Antonio

Leslie Clement, Kingsville

Isabella Cunningham, PhD, Austin

Gregory A. Kozmetsky '70, Austin

Most Reverend John E. McCarthy, Bishop Emeritus, Austin

William Jennings Renfro '95, Austin

Jim A. Smith, Austin

## Administrative Officers

**President:** George E. Martin, PhD

**Executive Vice President:**

Sister Donna M. Jurick, SND, PhD

**Vice President for Academic Affairs:**

Mary K. Boyd, PhD

**Vice President for Financial Affairs:**

Kim Kraal, MBA, CPA

**Vice President for Information Technology:**

David Waldron, MBA

**Vice President for Marketing and Enrollment Management:**

Paige Booth, BBA

**Vice President for Student Affairs:**

Sandra Pacheco, PhD

**Vice President for University Advancement:**

Michael Larkin, MS

**Chief of Staff, Liaison to the Board of Trustees, Sustainability**

**Coordinator:** Cristina Bordin, MA

**Associate Vice President for Academic Affairs:**

Molly E. Minus, PhD

**Associate Vice President for Advancement:**

Joe DeMedeiros, MALS

**Associate Vice President and Dean of Students:**

Lisa Kirkpatrick, MEd

**Associate Vice President for Facilities:** Michael Peterson, MBA

**Associate Vice President for Faculty Development and Academic Programs:** Lori Peterson, PhD

**Associate Vice President for Finance:** Debbie Zimmerman, MBA

**Associate Vice President for Financial Affairs:**

Barton G. Glaser, MBA

**Associate Vice President for Institutional Effectiveness and Research:** Bhuban Pandey, MBA, ME

**Associate Vice President for Global Initiatives:**

William J. Clabby, MA

**Associate Vice President for Marketing:**

Christie Campbell, MBA

**Associate Vice President for Student Academic Support Services:** Nicole Trevino

**Associate Vice President for Student Financial Services:**

Doris F. Constantine, MBA

**Associate Vice President, Dean of Admission:**

Tracy Manier, MA

**Dean, The Bill Munday School of Business:**

Nancy G. Schreiber, PhD

**Dean, School of Behavioral and Social Sciences:**

Brenda J. Vallance, PhD

**Dean, School of Education:** Grant W. Simpson, Jr., PhD

**Dean, School of Humanities:** Sharon D. Nell, PhD

**Dean, School of Natural Sciences:** Gary A. Morris, PhD

**Dean, New College:** To be named

**Director of Campus Ministry:** Father Peter J. Walsh, CSC

**Director of Munday Library:** Pongracz Sennyey, MLIS

**Comptroller:** Paul Sintef, MBA, CPA

**Registrar:** Lance Hayes, EdD

# SCHOOL ORGANIZATIONS

## THE BILL MUNDAY SCHOOL OF BUSINESS

**Dean:** Nancy G. Schreiber

**Associate Dean for Academic Affairs:** Tom Sechrest

**Associate Dean for Assessment & Accreditation:** Camelia Rotaru

**Department Chairs:**

**Accounting:** Louise Single

**Entrepreneurship and Marketing:** To Be Named

**Finance and Economics:** Camelia Rotaru

**Management & Business Administration:** Lorelei Ortiz

**Program Directors:**

**Master of Accounting (MACT):** Louise Single

**Master of Science in Leadership and Change (MSLC):** Tom Sechrest

## BEHAVIORAL AND SOCIAL SCIENCES

**Dean:** Brenda J. Vallance

**Associate Dean:** Brian W. Smith

**Department Chairs:**

**Criminal Justice and Forensic Science:** Tina J. Miranda

**History:** Christie Sample Wilson

**Environmental Science and Policy, Global Studies, and Political Science:** William E. Nichols

**Psychology:** Alan Swinkels

**Criminology, Sociology, and Social Work:** Stacey Borasky

**Program Directors:**

**Behavioral Neuroscience:** Russell J. Frohardt

**Professional Science Master's in Environmental Management and Sustainability Program (MSEM):** Peter Beck

## EDUCATION

**Dean:** Grant W. Simpson, Jr.

**Associate Dean:** J. Frank Smith III

**Department Chairs:**

**Education, Special Education and Reading:** Kris Sloan

**Kinesiology:** Kristy K. Ballard

**University Studies:** Susan Loughran

## HUMANITIES

**Dean:** Sharon D. Nell

**Associate Deans:** Richard J. Bautch, Lynn Rudloff

**Department Chairs:**

**Communication:** Teri Lynn Varner

**Languages, Literatures, and Cultures:** Philippe P. Seminet

**Literature, Writing and Rhetoric:** Mary Rist

**Performing Arts:** Sheila Gordon

**Philosophy:** Mark J. Cherry

**Religious Studies:** Father Louis T. Brusatti

**Visual Studies & Interactive Games Studies:** Laura A. Hollis-Hammonds

## NATURAL SCIENCES

**Dean:** Gary A. Morris

**Associate Dean:** Cynthia Y. Naples

**Department Chairs:**

**Biological Sciences:** Patricia J. Baynham

**Chemistry:** Tricia Shepherd

**Computer Sciences:** Laura J. Baker

**Mathematics:** Carol Gee

## NEW COLLEGE

**Dean:** To be named

**Program Directors:**

**Master of Arts in College Student Development (MACSD):** Richard A. Parsells

**Master of Arts in Counseling (MAC):** Elizabeth M. Katz

**Master of Liberal Arts (MLA):** H. Ramsey Fowler

# FACULTY

## **Alan J. Altimont...1986**

Associate Professor of English  
BA, Georgetown University, 1976;  
PhD, University of Minnesota, 1990

## **Henry Altmiller...1969**

Professor of Chemistry  
BS, University of Notre Dame, 1964; PhD, 1969

## **David Altounian...2013**

Assistant Professor of Entrepreneurship  
BS, California Coast University, 1993  
MBA, Northwestern University, 2007

## **Antonio (Tony) Alvarado...2010**

Executive in Residence  
BA, University of Texas at Austin, 1969; JD, 1971

## **Peter E. Austin...2007**

Assistant Professor of University Studies  
BS, Northwestern University, 1983;  
MA, University of Texas at Austin, 1994; PhD, 1999

## **Laura J. Baker...1989**

Professor of Computer Science  
BS, Texas A&M University, 1981;  
MEd, Southwest Texas State University, 1987;  
PhD, University of Texas at Austin, 1995

## **Kristy K. Ballard...2009**

Associate Professor of Kinesiology  
BS, Tarleton State University, 1997; MEd, 1999;  
PhD, Texas A&M University, College Station, 2006

## **Kin Barksdale...1999**

Assistant Professor of Computer Information  
Systems, New College  
BS, Metropolitan State College of Denver, 1989;  
MS, University of Colorado, 1995

## **Alexandra L. Barron...2007**

Assistant Professor of University Studies  
BA, University of California, Santa Cruz, 1993;  
MA, University of Texas at Austin, 1999;  
PhD, 2005

## **Brother Romard Barthel, CSC...1986**

Professor Emeritus  
BS, University of Notre Dame, 1947;  
PhD, University of Texas at Austin, 1951

## **Richard J. Bautch...2000**

Professor of Humanities  
BA, Marquette University, 1983;  
MA, Loyola University of Chicago, 1988;  
MDiv, Jesuit School of Theology at Berkeley, 1994;  
MA, University of Notre Dame, 1999; PhD, 2001

## **Patricia J. Baynham...2004**

Associate Professor of Biology  
BS, Presbyterian College, 1986;  
PhD, Wake Forest University School of Medicine, 1999

## **Peter Beck...2003**

Associate Professor of Environmental  
Science and Policy  
AB, Occidental College, 1986;  
MA, Yale University, 1992;  
PhD, Indiana University, 2000

## **Teresa Bilinski...2013**

Assistant Professor of Biology  
BS, University of Oregon, 2003;  
MA, University of Colorado, 2011

## **Stacey Borasky...2007**

Associate Professor of Social Work  
BSW, Shepherd College, 1987;  
MSW, West Virginia University, 1989;  
EdD, Tennessee State University, 2002

## **Mary K. Boyd...2013**

Professor of Chemistry  
BSc, University of Toronto, 1984; PhD, 1989

## **Jessica Boyette-Davis...2015**

Assistant Professor of Behavioral Neuroscience  
BS, Tarleton State University, 2001;  
MS, The University of Texas at Arlington, 2007;  
PhD, 2009

## **Mary K. Brantl...2006**

Associate Professor of Art History  
BA, Mount Holyoke College, 1977;  
MA, Harvard University, 1980;  
MA, University of Delaware, 1991;  
PhD, New York University Institute of Fine Arts, 1998

## **Kathleen A. Brown...1994**

Associate Professor of History  
BA, San Francisco State University, 1985; MA, 1987;  
PhD, University of Washington, 1996

## **Dianne Brownlee...1996**

Librarian with the Rank of Associate Professor  
BLS, St. Edward's University, 1994; MLA, 2003;  
MLIS, University of Texas at Austin, 1995

## **Father Louis T. Brusatti...2002**

Associate Professor of Religious and Theological Studies  
BA, University of Missouri–Columbia, 1971;  
MS, Loyola College of Baltimore, 1978;  
MDiv, DeAndreis Institute of Theology, 1975;  
DMin, Catholic University of America, 1983

## **Joe Bryan...2014**

Visiting Assistant Professor of Computer Science  
BA, St. Edward's University, 2003; MS 2010

## **Joe Bulko...2014**

Visiting Assistant Professor of Computer Science  
BS, The University of Texas at El Paso, 1981;  
MS, The University of Texas at Austin, 1988; PhD, 1989

---

**Amy Burnett...2001**

Associate Professor of Finance  
BS, University of Texas at Austin, 1979;  
MBA, Texas A&M University at Kingsville, 1984;  
PhD, University of Texas at Austin, 1992

**Shannan H. Butler...2006**

Associate Professor of Communication  
BS, John Brown University, 1989;  
MA, University of Arkansas, Fayetteville, 1996;  
PhD, Pennsylvania State University, 2002

**Jason Callahan...2009**

Associate Professor of Mathematics  
BS, University of Texas at Austin, 2002;  
PhD, University of Texas at Austin, 2009

**Craig Campbell...2003**

Associate Professor of Public Safety Management,  
New College  
BA, University of Oklahoma, 1970; MA, 1973;  
MS, Oklahoma State University, 1976;  
PhD, University of Texas at Austin, 1993

**Helene Caudill...2003**

Associate Professor of Management  
BS, Georgia Institute of Technology, 1982;  
MBA, University of North Texas, 1990; PhD, 1996

**Mark J. Cherry...1999**

Professor of Philosophy  
BA, University of Houston, 1991;  
MA, Rice University, 1996; PhD, 1999

**Karen Chitwood...2005**

Assistant Professor of Counseling, New College  
BA, Kansas State, 1967;  
MA Hunter College, CUNY, 1974;  
PhD, New York University, 1980

**Amy Clements...2012**

Assistant Professor of English Writing and Rhetoric  
BA, The University of Texas at Austin, 1990;  
MFA, The New School (New York City), 2001;  
PhD, The University of Texas at Austin, 2010

**Matthew T. Clements...2008**

Associate Professor of Economics  
AB, Harvard University, 1991;  
MA, University of Washington, 1995;  
PhD, Northwestern University, 2000

**Kelley Coblentz Bautch...2002**

Associate Professor of Religious and Theological Studies  
BA, Indiana University, 1991;  
MTS, Harvard Divinity School, 1994;  
MA, University of Notre Dame, 1998; PhD, 2002

**Joey Colarusso...2009**

Instructor of Music  
BM, University of Texas at Austin, 1996; MM, 2003

**Carolyn Conn...2006**

Professor of Accounting  
BBA, Stephen F. Austin State University, 1972;  
MBA, University of Arkansas, Fayetteville, 1975;  
PhD, 1978

**Walle M. Conoly...1965**

Professor Emeritus  
BFA, University of Texas at Austin, 1960;  
MA, University of New Mexico, 1964

**John V. Cotter...2006**

Associate Professor of Geography  
BA, State University of New York at Buffalo, 1974;  
MA, State University of New York at Buffalo, 1977;  
PhD, University of Texas at Austin, 1986

**Sister Anne Crane, IHM...1972**

Professor Emerita  
BA, Marygrove College, 1955;  
MA, University of Michigan, 1969

**Sharyl Cross...2013**

Professor of Political Science and Global Studies  
BA, University of Arizona, 1983;  
MA, University of California-Los Angeles, 1986;  
PhD, 1990

**Virginia F. Dailey...1965**

Professor Emerita  
BA, University of Texas at Austin, 1948;  
MA, 1949; PhD, 1963

**Flora de Hart...1978**

Associate Professor Emerita  
BA, Longwood College, 1952;  
MA, University of Virginia, 1958;  
PhD, University of Texas at Austin, 1976

**Raelynn Deaton Haynes...2011**

Assistant Professor of Biology  
BA, Berea College, 1995;  
MS, University of New Orleans, 2001;  
PhD, University of Oklahoma, 2006

**Stephen C. Dilley...2007**

Associate Professor of Philosophy  
BA, Whitworth College, 1997;  
MA, Gonzaga University, 2002;  
PhD, Arizona State University, 2007

**Michael Disch...2008**

Associate Professor of Psychology  
BA, Southwestern University, 1999;  
PhD, University of California, Berkeley, 2006

**Mary Dunn...2012**

Assistant Professor of Management  
BA, Colgate University, 1993;  
MBA, University of California-Irvine, 2005;  
PhD, Boston College, 2006



---

**Kathryn Eader...2010**

Assistant Professor of Scenic and Lighting Design,  
Theater  
BS, University of Texas at Austin, 1988;  
MFA, New York University, 1993

**Elizabeth Anne Eakman...2009**

Visiting Instructor of English Writing and Rhetoric  
BA, Texas Christian University, 1987;  
MA, University of North Texas, 1995

**Edward Early...2006**

Associate Professor of Mathematics  
BS, Massachusetts Institute of Technology, 2000;  
PhD, 2004

**William J. Earnest...2005**

Assistant Professor of Communication  
BBA, Midwestern State University, 1989;  
MA, University of Texas at Austin, 1997; PhD, 2003

**Anna Escamilla...2010**

Assistant Professor of Social Work  
BA, University of Texas at Austin, 1972; MSSW, 1976;  
PhD, 2000

**Regina Faunes...2004**

Associate Professor of Spanish  
BA, Stetson University, 1989;  
MA, University of Florida, 1995;  
PhD, University of Texas at Austin, 2004

**Barbara Filippidis...1987**

Professor of English  
BA, Lamar University, 1969;  
MA, University of Houston, 1974; PhD, 1985

**Steven S.W. Fletcher...2006**

Associate Professor of Secondary Education  
BS, University of Connecticut, 1988;  
MEd, University of Arizona, 2000;  
PhD, University of Texas at Austin, 2006

**Christopher Flynn...2004**

Associate Professor of English Literature  
BS, Indiana University, 1987;  
MA, University of California, 2000; PhD, 2002

**Carrie Fountain...2009**

Writer-in-Residence  
BA, New Mexico State University, 1998;  
MFA, University of Texas at Austin, 2004

**H. Ramsey Fowler...1999**

Associate Professor of English, New College  
AB, Princeton University, 1959;  
AMT, Harvard University, 1961;  
AM, The University of Michigan, 1963; PhD, 1969

**Russell J. Frohardt...2003**

Professor of Psychology  
BA, University of Colorado, 1993;  
MA, University of Vermont, 1998; PhD, 2001

**Kimberly A. Garza...2011**

Assistant Professor of Graphic Design  
BA, Anderson University, 1997;  
MGD, North Carolina State University, 2004

**Teresita Garza...1998**

Associate Professor of Communication  
BA, University of Wisconsin, 1986; MA, 1991;  
PhD, University of Iowa, 2003

**Carol Gee...2006**

Associate Professor of Mathematics  
BS, University of Dallas, 1999;  
PhD, Rice University, 2004

**Sara Gibson...2012**

Visiting Assistant Professor of Management  
BA, Stanford University, 1972;  
MBA, Vanderbilt University, 1978;  
PhD, Fielding Graduate University, 2011

**Daniel Glenn...2012**

Assistant Professor of History  
BA, Xavier University, 1997;  
MA, 2003;  
PhD, University of Cincinnati, 2007

**Lisa M. Goering...2007**

Associate Professor of Biology  
BA, Bethel College, 1995;  
PhD, University of Utah, 2003

**Katherine Goldey...2015**

Assistant Professor of Behavioral Neuroscience  
BA, Southwestern University, 2008;  
MS, University of Michigan, 2011

**Sheila Gordon...2007**

Associate Professor of Theater Arts  
BFA, New York University, 1982;  
MFA, Carnegie Mellon University, 1998

**Kelly Green...2012**

Assistant Professor of Psychology  
BA, Hunter College, 2002;  
MS, Rutgers University, 2005;  
PhD, 2008

**Jack Green Musselman...2006**

Associate Professor of Philosophy  
BA, University of Virginia, 1987;  
MA, University of Michigan, 1989;  
PhD, Indiana University, 2000

**Jennifer Greene...2001**

Associate Professor of Philosophy  
BA, University of Massachusetts/Boston, 1987;  
MA, University of Texas at Austin, 1991;  
PhD, 1994

**Selin E. Guner...2012**

Assistant Professor of Global Studies  
BS, Middle East Technical University, 2002; MS, 2005;  
PhD, Southern Illinois University Carbondale, 2011

---

**Hollis Hammonds...2007**

Associate Professor of Art  
BFA, Northern Kentucky University, 1998;  
MFA, University of Cincinnati, 2001

**Charles Hauser...2004**

Associate Professor of Bioinformatics  
BS, University of Texas at Austin, 1977;  
PhD, University of Houston, 1990

**Eamonn F. Healy...1990**

Professor of Chemistry  
BSc, University College Cork, Ireland, 1979;  
PhD, University of Texas at Austin, 1984

**Jennifer A. Heath...2008**

Associate Professor of English Writing and Rhetoric  
AB, Smith College, 1984;  
MS, Columbia University,  
Graduate School of Journalism, 1989

**Sarah Henseler...2001**

Associate Professor of Psychology  
BA, Hope College, 1976;  
MDiv, Princeton Theological Seminary, 1982;  
MA, Graduate School and University  
Center of the City University of New York, 1995;  
PhD, 2000

**Arcelia L. Hernandez...2011**

Assistant Professor of Bilingual Education  
BA, Stanford University, 1993;  
MA, Claremont Graduate University, 1999;  
EdD, University of Southern California, 2010

**Lisa J. Hernandez...2001**

Associate Professor of University Studies  
BA, University of California, Berkeley, 1990;  
MA, University of Texas at Austin, 1993; PhD, 2001

**Laura Hernandez-Ehrisman...2008**

Associate Professor of University Studies  
BA, Brown University, 1994;  
MA, University of Texas at Austin, 1999; PhD, 2003

**Julie Hiebert...2014**

Visiting Assistant Professor of Religious and Theological  
Studies  
AB, Mount Holyoke College, 1980;  
AM, Harvard University, 1984; PhD, 1988

**Glenn E. Hinkle...1970**

Professor Emeritus  
BA, Kearney State University, 1957; MA, 1959;  
EdD, University of Nebraska, 1968

**David R. Hollier...2006**

Associate Professor of Education  
BMusic Ed, McNeese State University, 1978;  
MDiv, St. Meinrad School of Theology, 1983;  
MEd, University of Louisiana at Lafayette, 1992;  
EdD, University of Houston, 1997

**Marianne F. Hopper...1977**

Professor Emerita  
BA, Rice University, 1972;  
MA, University of Texas at Austin; 1974; PhD, 1979

**Stanley O. Horner...2005**

Associate Professor of Management  
BA, University of Richmond, 1969;  
MBA, University of South Carolina, 1975; PhD, 1979

**Stanley C. Irvin...1976**

Professor Emeritus  
BSE, Henderson State University, 1970;  
MFA, The University of Texas at Austin, 1974

**Jennifer Jefferson...2014**

Visiting Assistant Professor of University Studies  
BA, California State University-Fullerton, 2001;  
MA, The University of Texas at Austin, 2004; PhD,  
2011

**Elisabeth Johnson...2014**

Associate Professor of Literacy  
BA, The University of Chicago, 1997;  
MS, University of New Haven, 2003;  
EdD, Columbia University, 2009

**John V. Jones Jr....2001**

Associate Professor of Counseling, New College  
BA, North Texas State University, 1978;  
MA, University of North Texas, 1989; PhD, 1996

**Sister Donna M. Jurick, SND...1988**

Professor of Communication  
BA, Edgecliff College, 1962;  
MA, Northwestern University, 1970;  
PhD, The Ohio State University, 1977

**Michael Kart...2008**

Associate Professor of Computer Sciences  
BA, Boston College, 1990;  
MS, University of North Carolina, 1999; PhD, 1999

**Elizabeth M. Katz...1999**

Associate Professor of Counseling, New College  
BA, Newcomb College of Tulane University, 1970;  
MS, Trinity University, 1974;  
PhD, University of Texas at Austin, 1989

**William Kennedy...1981**

Professor of Photocommunications  
BJ, University of Texas at Austin, 1974; MA, 1981

**Amanda Kenney...2014**

Assistant Professor of Biological Sciences  
BS, Texas State University, 2003;  
PhD, The University of Texas at Austin, 2011

**Peter J. King...2004**

Associate Professor of Biology  
BS, San Diego State University, 1994  
PhD, University of California, 2000

---

**John E. Knorr...1977**

Professor of Kinesiology  
BA, University of Notre Dame, 1971;  
MEd, Southwest Texas State University, 1976;  
EdD, University of North Texas, 1991

**James C. Koch...1960**

Associate Professor Emeritus  
BA, Conception Seminary, 1955;  
MSIR, Loyola (Chicago), 1959

**Richard L. Kopec...1985**

Professor of Computer Science and Chemistry  
BS, Michigan State University, 1975;  
MS, Trinity University, 1988;  
PhD, Indiana University, 1981

**Mary A. Kopecki-Fjetland...1997**

Associate Professor of Chemistry and Biology  
BS, BA, Texas Lutheran University, 1991;  
MS, New Mexico State University, 1994;  
PhD, 1997

**Sunny Lansdale...2012**

Visiting Assistant Professor of Counseling, New College  
BA, University of New Mexico, 1964;  
MEd, University of Texas at Austin, 1970;  
PhD, Fielding Graduate University, 1995

**Tyler Layton...2015**

Assistant Professor of Theater  
BA, The University of Alabama, 1990;  
MFA, University of California - Irvine, 1995

**Judy Leavell...2006**

Associate Professor of Reading  
BA, University of Texas at Austin, 1968; BS, 1970;  
MA, 1972; PhD, 1988

**Jooyoun Lee...2013**

Assistant Professor of Global Studies  
BA, Ewha Womans University, 1996;  
MA Kyong Hee University, 1998;  
PhD, Syracuse University, 2012

**Emma Lou Linn...1971**

Professor of Psychology  
BA, University of Texas at Austin, 1960;  
MA, 1964; PhD, 1966

**J. Cory Lock...2003**

Associate Professor of University Studies  
BA, University of Virginia, 1993;  
MA, University of Chicago, 1996;  
PhD, University of Texas at Austin, 2003

**Drew M. Loewe...2008**

Associate Professor of English Writing and Rhetoric  
BA, University of California at Santa Barbara, 1989;  
JD, Gonzaga University School of Law, 1993;  
MA, University of Texas at San Antonio, 2004;  
PhD, Texas Christian University, 2009

**David M. Long...2005**

Associate Professor of Theater  
BA, California State University, Fullerton, 1991;  
MFA, University of Washington, 1998

**Nicholas Chad Long...2009**

Associate Professor of Political Science  
BA, Northeast Louisiana University, 1993;  
MA, Louisiana State University, 1998;  
PhD, 2001

**Katherine J. Lopez...2012**

Assistant Professor of Accounting  
B.S. Trinity University, 2000; M.S., 2001;  
PhD, University of Texas at San Antonio, 2007

**John S. Loucks IV...1992-97, 1999**

Professor of Management  
BBA, University of New Mexico, 1980;  
MBA, Indiana University, 1984; PhD, 1987

**Leslie Loughmiller...2012**

Assistant Professor of Special Education  
BS, Texas Tech University, 1991;  
MEd, Texas State University, 1998;  
EdD, Nova Southeastern University, 2005

**Susan Loughran...1978**

Professor of University Studies  
BA, Webster College, 1970;  
MA, Southwest Texas State University, 1984;  
MEd, 1998

**Everett M. Lunning Jr....1993**

Assistant Professor of Theater Arts  
BA, Yale University, 1967;  
MFA, Yale School of Drama, 1969

**Jimmy Van Luu...2014**

Assistant Professor of Graphic Design  
BS, The University of Texas at Austin, 2003;  
MFA, 2006

**Catherine MacDermott...1979**

Professor of Business Communication  
BS, Southwest Texas State University, 1974;  
MEd, 1978

**Pamela Malone...2014**

Visiting Assistant Professor of Counseling  
BA, Marymount Manhattan College, 1981;  
MA, Columbia University, 1988;  
MSW, Adelphi University, 1991;  
PhD, University of Texas at Austin, 2010

**William E. Martello...2003**

Assistant Professor of Management  
BA, Wesleyan University, 1977;  
MBA, University of California, Berkeley, 1987;  
PhD, University of Pittsburgh, 1995

**Moirra Martin...2012**

Visiting Instructor of Psychology  
BS, University of Houston-Clear Lake, 1993;  
MA, 1995

---

**Stephanie Poole Martinez...2003**

Associate Professor of Communication  
BS, Kent State University, 1991;  
MA, Eastern Illinois University, 1998;  
PhD, Southern Illinois University–Carbondale, 2003

**Michael C. Massey...1988**

Assistant Professor of Humanities  
BGS, Wichita State University, 1983;  
MFA, Texas Tech University, 1985

**Florina Matu...2014**

Assistant Professor of French  
BA, Universitatea Bucuresti, 2001;  
MA, Mississippi State University, 2005;  
PhD, University of Alabama–Tuscaloosa, 2012

**Adam McCormick...2015**

Assistant Professor of Social Work  
BSW, Lubbock Christian University, 2003;  
MSSW, The University of Texas at Austin, 2006;  
PhD, The University of Texas at Arlington, 2009

**I. Moriah McCracken...2012**

Associate Professor of English Writing and Rhetoric  
BA, Texas State University, 2002; MA, 2004;  
PhD, Texas Christian University, 2008

**Ellen Melton...2014**

Visiting Assistant Professor of Counseling  
BS, Angelo State University, 2001; MS, 2003;  
PhD, Capella University, 2005

**Christopher Micklethwait...2014**

Visiting Assistant Professor of Writing and Rhetoric  
BA, The University of Texas at Austin, 2000; PhD, 2010

**Sybil A. Miller...1985**

Professor of Photocommunications  
BA, University of Missouri–Columbia, 1978;  
MA, University of Texas at Austin, 1983

**Jimmy T. Mills...1972**

Professor Emeritus  
BMusEd, Midwestern State University, 1960;  
MA, California State University–Fullerton, 1967;  
PhD, University of Texas at Austin, 1972

**Molly E. Minus...1993**

Professor of Education  
BA, Southwest Texas State University, 1965;  
MA, University of Texas at Austin, 1976;  
PhD, 1993

**Tina J. Miranda...2011**

Assistant Professor of Criminal Justice  
BA, St. Edward's University, 1995;  
JD, University of Texas at Austin, 2000

**Innes W.R. Mitchell...1993**

Associate Professor of Communication  
MA, University of Edinburgh, Scotland, 1985;  
MA, University of Pittsburgh, 1987;  
PhD, University of Kansas, 1997

**Michele L. Moragne e Silva...1985**

Assistant Professor of English  
BA, Bucknell University, 1977;  
MEd, Rhode Island College, 1981;  
PhD, University of Texas at Austin, 1991

**Gary A. Morris...2014**

Professor of Physics  
AB, Washington University, 1989;  
MS, Rice University, 1992; PhD, 1995

**Mitylene M. Myhr...2002**

Associate Professor of History  
BA, Millsaps College, 1989;  
MA, University of Texas at Austin, 1993;  
PhD, 1999

**Cynthia Y. Naples...1987**

Professor of Mathematics  
BS, University of Texas at Austin, 1970;  
MA, 1976; PhD, 1993

**David J. Naples...1990**

Associate Professor of Mathematics  
BS, St. Edward's University, 1966;  
MST, DePaul University, 1968;  
MSA, University of Notre Dame, 1990;  
MS, Southwest Texas State University, 1994

**Rachael S. Neal...2013**

Assistant Professor of Sociology  
BA, Beloit College, 2000;  
MA, The University of Arizona, 2003;  
PhD, 2008

**Sharon D. Nell...2012**

Professor of French  
BA, University of Houston–University Park, 1977;  
MA, 1981;  
PhD, Rice University, 1989

**William E. Nichols...1999**

Associate Professor of Political Science  
BA, University of Iowa, 1979;  
MA, George Washington University, 1985;  
PhD, University of Texas at Austin, 1994

**Rodrigo M. Nunes...2010**

Associate Professor of Global Studies  
BA, Lake Forest College, IL, 1999;  
MLA, University of Texas at Austin, 2003; PhD, 2010

**Patricia O'Connor...1976**

Professor Emerita  
BA, Texas Woman's University, 1947; MA, 1949;  
PhD, University of Texas at Austin, 1953

**Fidelma A. O'Leary...1995**

Associate Professor of Biology  
BE, National University of Ireland, 1979;  
PhD, The University of Texas Health  
Science Center at Houston, 1993



---

**Todd Onderdonk...2006**

Associate Professor of University Studies  
BA, University of Wisconsin–Milwaukee, 1997;  
MA, University of Texas at Austin, 1999; PhD, 2005

**Lorelei A. Ortiz...2002**

Professor of Business Communication  
BA, University of Texas at El Paso, 1995; MA, 1997;  
PhD, New Mexico State University, 2001

**Leo B. Osterhaus...1966**

Professor Emeritus  
BS, Kansas State University, 1942;  
MS, Trinity University, 1961;  
PhD, University of Texas at Austin, 1966

**Casie L. Parish-Fisher...2008**

Instructor of Forensic Science  
BS, Baylor University, 2003;  
MS, University of Central Lancashire, 2005

**Richard A. Parsells...2005**

Associate Professor of Organizational Studies,  
New College  
BA, University of Dayton, 1973;  
MPA, 1975; MBA, 1984;  
PhD, Texas State University, 2006

**Delia Kothmann Paskos...2008**

Associate Professor of Psychology  
BA, Southwest Texas State University, 1998;  
MS, University of Texas at San Antonio, 2000;  
PhD, Rice University, 2006

**Thomas R. Pate...1983**

Associate Professor of Kinesiology  
BS, Southwestern University, 1972;  
MS, Texas Southern University, 1978;  
PhD, University of Texas at Austin, 1995

**James Payne...1988**

Associate Professor Emeritus  
BA, The University of Texas at Austin, 1961;  
MSW, 1963; PhD, 1969

**Brother John A. Perron, CSC...1970**

Associate Professor of English  
BA, University of Notre Dame, 1961;  
MA, University of Portland, 1967

**Patricia Perry...1987**

Associate Professor of History  
BA, Clemson University, 1975; MA, 1979

**Lori A. Peterson...2001**

Associate Professor of Communication  
BSW, University of South Florida, 1987;  
MA, 1991; PhD, 1995

**Katie Peterson-Hernandez...2013**

Assistant Professor of Reading  
BS, The University of Texas at Austin, 2004;  
Med, Texas State University, 2006;  
MFA, Alfred University, 2013

**Tuan Phan...2006**

Assistant Professor of Graphic Design  
BFA, University of Houston, 1997;  
MFA, California Institute of the Arts, 2001

**R. Gary Pletcher...2001**

Assistant Professor of Management  
BA, University of Memphis, 1972;  
MS, University of North Texas, 1988;  
PhD, Capella University, 2000

**Charles Porter...2011**

Visiting Assistant Professor of University Studies  
BBA, The University of Texas at Austin, 1974;  
MLA, St. Edward's University, 2007

**Constance Porter...2002**

Associate Professor of Organization Development  
BS, Southwest Missouri State University, 1977;  
MEd, University of Texas at Austin, 1992; PhD, 1999

**Mark S. Poulos...1985**

Professor of Business Administration  
BA, BBA, University of Texas at Austin, 1974;  
MBA, 1976; PhD, 1984

**William J. Quinn...1983**

Professor of Biology and Computer Science  
BS, Colorado State University, 1973;  
MS, North Carolina State University, 1978; PhD, 1982

**Russell E. Rains...2005**

Associate Professor of Digital Media Management  
BMus, University of North Texas, 1978;  
JD, University of Houston Law Center, 1986

**Catherine Rainwater...1987**

Professor of English  
BA, University of Texas at Austin, 1974;  
MA, University of California–Irvine, 1976;  
PhD, University of Texas at Austin, 1982

**Michelle Region-Sebest...2012**

Visiting Assistant Professor of Management  
BA, California State University, 1992;  
MA, Webster University, 2002

**Michelle Y. Richter...2006**

Associate Professor of Criminal Justice  
BA, McMaster University, Ontario, 1994;  
BS, Lake Superior State University, 1997;  
MS, Eastern Kentucky University, 1999;  
PhD, Sam Houston State University, 2010

**Mary Rist...1995**

Professor of English Writing and Rhetoric  
BA, Louisiana State University and A&M College, 1979;  
MA, University of Virginia, 1981;  
PhD, University of Texas at Austin, 1995

**Michelle L. Robertson...2009**

Associate Professor of Sociology  
BA, Indiana University, 1995;  
MA, San Diego State University, 2001;  
PhD, Washington State University–Pullman, 2006

---

**Alexandra Robinson...2012**

Assistant Professor of Art  
BA, University of Saint Mary, 1997;  
MFA, University of Cincinnati, 2002

**Steven M. Rodenborn...2007**

Associate Professor of Religious and Theological Studies  
BA, Creighton University, 1996;  
MTS, University of Notre Dame, 2001; PhD, 2008

**Jason Rosenblum...2014**

Assistant Professor of Digital Media  
BA, Texas A&M University, 1992;  
MS, University of North Texas, 1994;  
PhD, The University of Texas at Austin, 2014

**Steven L. Rosner...2012**

Visiting Assistant Professor of Accounting  
BSBA, University of Florida, 1977;  
BBA, University of North Florida, 1974;  
MS, Golden Gate University, 1984

**Camelia Rotaru...2007**

Associate Professor of Finance  
BBA, University of Craiova, Romania, 2000;  
BBA, Schiller International University, 2000; MBA, 2000;  
PhD, Florida Atlantic University, 2005

**Tammie Rubin...2015**

Assistant Professor of Art  
BFA, University of Illinois at Urbana - Champaign, 1999  
MFA, University of Washington, 2003

**Lynn Rudloff...2001**

Associate Professor of English Writing  
and Rhetoric  
BA, California State University–San Bernardino, 1991;  
MA, 1993;  
PhD, University of Texas at Austin, 2000

**Michael P. Sacolo...2002**

Associate Professor of Mathematics  
BA, University of California–Berkeley, 1991; MA, 1994;  
MA, University of California–Santa Barbara, 1996;  
PhD, 2002

**Rajiv Raymond Sant...2005**

Associate Professor of Finance  
B Engineering, Indian Institute of Technology,  
New Delhi, India, 1975;  
MBA, Indian Institute of Management,  
Ahmedabad, India, 1977;  
PhD, University of Pittsburgh, 1987

**Nancy G. Schreiber...2014**

Professor of Management  
BA, Oberlin College, 1985;  
MA, University of Detroit Mercy, 1988; PhD, 1991

**M.E.T. “Mike” Scioli...2005**

Visiting Instructor of Science and Biology  
AB, Rutgers, The State University of New Jersey,  
1976; MS, Texas Tech University, 1981

**Tom Sechrest...2005**

Associate Professor of Management  
BA, Florida State University, 1971; MS, 1973;  
PhD, University of Texas at Austin, 1999

**Georgia Seminet...2011**

Associate Professor of Spanish  
BA, University of North Carolina at Chapel Hill, 1983;  
MA, University of Florida at Gainesville, 1992;  
PhD, University of Texas at Austin, 2000

**Philippe P. Seminet...2011**

Associate Professor of French  
BA, New College of Florida, 1987;  
MA, University of Florida, 1992;  
PhD, University of Texas at Austin, 1999

**Pongrácz Sennyey...2011**

Director, Scarborough-Phillips Library  
BA, Middle Tennessee State University, 1989;  
MA, Western Michigan University, 1991;  
MLIS, University of Illinois at Urbana-Champaign, 1996

**Bilal Shebaro...2014**

Assistant Professor of Computer Science  
BS, Beirut Arab University, 2003;  
MS, Lebanese American University, 2006;  
PhD, University of New Mexico, 2012

**Brian Sheerin...2012**

Assistant Professor of English  
B.Mus., Wheaton College, 2000;  
MA, University of Illinois at Chicago, 2002;  
PhD, 2009

**Tricia D. Shepherd...2014**

Professor of Chemistry  
BS, University of Idaho, 1994; MS, 1995;  
PhD, Georgia Institute of Technology, 2002

**Casey L. Sherman...2012**

Assistant Professor of Mathematics  
BS, Baylor University, 2006;  
MS, 2011; PhD, 2012

**Grant W. Simpson, Jr....2010**

Professor of Education  
BS, Trinity College, 1967;  
MA, University of Texas at Austin, 1975;  
PhD, Texas A&M University, 1989

**Louise Single...2007**

Professor of Accounting  
BS, Georgetown, 1980;  
M Tax, Georgia State, 1986;  
PhD, University of Florida, 1995

**Kris Sloan...2006**

Associate Professor of Education  
BA, University of Wisconsin–Eau Claire, 1987;  
MEd, Auburn University, 1993;  
PhD, University of Texas at Austin, 2002

---

**Brian W. Smith...2003**

Professor of Political Science  
BA, Bloomsburg University of Pennsylvania, 1992;  
MA, Pennsylvania State University, 1995;  
PhD, 2000

**J. Frank Smith III...1989**

Professor of Kinesiology  
BSEd, Abilene Christian College, 1975;  
MSEd, Baylor University, 1976;  
PhD, Texas A&M University, 1988

**Mary Helen Specht...2012**

Assistant Professor of Writing and Rhetoric  
BA, Rice University, 2001;  
MFA, Emerson College, 2005

**H. Morris Stevens, Jr....2011**

Assistant Professor of Music  
BM, University of Texas at Austin, 1975;  
MM, University of Texas at San Antonio, 1983;  
PhD, University of Texas at Austin, 2001

**Anna T. Stewart...1999**

Librarian with the Rank of Associate Professor  
BA, Texas Tech University, 1974;  
MLIS, University of Texas at Austin, 1977

**Alan Swinkels...1994**

Professor of Psychology  
BA, University of San Francisco, 1985;  
PhD, University of Texas at Austin, 1989

**Santiago Toledo...2015**

Assistant Professor of Chemistry  
BS, Texas Lutheran University, 2004;  
PhD, University of Washington, 2009

**Susan Branch Towne...2012**

Visiting Assistant Professor of Theatre Arts in Costume Design  
BFA, Carnegie Mellon University, 1985;  
MFA, Yale School of Drama, 1992

**Donald Unger...2015**

Assistant Professor of Writing and Rhetoric  
AA, Broome Community College, 2003;  
BA, SUNY College of Cortland, 2005;  
MA, University of Alaska - Anchorage, 2010

**Danney F. Ursery...1986**

Professor of Philosophy, New College  
BA, North Texas State University, 1972;  
MA, Texas Christian University, 1976

**Brenda J. Vallance...2005**

Professor of Political Science  
BA, University of Texas at Arlington, 1975;  
MA, University of Oklahoma, 1976;  
PhD, University of California-Los Angeles, 1992

**Teri Lynn Varner...2008**

Associate Professor of Communication  
BS, Eastern Michigan University, 1993; MA, 1996;  
PhD, University of Texas at Austin, 2003

**Jennifer Elisa Veninga...2010**

Assistant Professor of Religious and Theological Studies  
BA, Southern Methodist University, 2000;  
MTS, Harvard Divinity School, 2002  
PhD, Graduate Theological Union, 2011

**Sara Villanueva...2005**

Associate Professor of Psychology  
BA, University of Texas at Austin, 1991;  
MS, University of Florida, 2002; PhD, 2004

**Joseph Vitone...1991**

Professor of Photocommunications  
BFA, Portland School of Art, 1981;  
MFA, Rochester Institute of Technology, 1983

**Peter Wake...2004**

Associate Professor of Philosophy  
BA, University of Toronto, 1993;  
MA, University of Memphis, 1995;  
PhD, DePaul University, 2004

**Sister Marie Andre Walsh, IHM...1966**

Professor Emerita  
BA, Marygrove College, 1939;  
MA, Catholic University, 1948;  
PhD, University of Texas at Austin, 1971

**Paul J. Walter...2010**

Visiting Assistant Professor of Science  
BS, University of Notre Dame, 2001;  
PhD, University of Texas at Austin, 2009

**Bin Wang...2007**

Associate Professor of Economics  
BS, Wuhan University, China, 1991;  
MA, Zhongshan University, China, 1997;  
PhD, University of Wisconsin-Milwaukee, 2005

**Keith Franklin Ward...2007**

Assistant Professor of Management  
BBA, Baylor University, 1979; MBA, 1980;  
PhD, Ohio State University, 1998

**Michael D. Wasserman...2013**

Assistant Professor of Environmental Science and Policy  
BA, University of Florida, 2002;  
BS, University of Florida, 2002;  
PhD, University of California, Berkeley, 2011

**Corinne Weisgerber...2006**

Associate Professor of Communication  
BA, Miami University, 1997;  
MA, Pennsylvania State University-University Park, 1999; PhD, 2002

**Sasha West...2015**

Assistant Professor of Creative Writing  
BA, University of California - San Diego, 1997;  
MA, John Hopkins University, 2000;  
PhD, University of Houston, 2007

---

**Kathleen Wilburn...2002**

Professor of Management  
BA, University of New Mexico, 1965; MA, 1967;  
MA, University of Northern Colorado, 1976;  
EdD, University of Southern California, 1983

**Ralph Wilburn...2008**

Assistant Professor of Management  
BA, Park College, 1976;  
MA, Pepperdine University, 1978;  
PhD, University of Texas at Austin, 1991

**Craig L. Williams...2006**

Associate Professor of Management  
BS, Cleveland State University, 1977; MBA, 1987;  
PhD, Kent State University, 1995

**Jeannetta Williams...2005**

Professor of Psychology  
BA, University of Rochester, 1996;  
MA, University of Texas at Austin, 2001; PhD, 2004

**Christie Sample Wilson...2001**

Associate Professor of History  
BA, Hendrix College, 1990;  
MA, University of Texas at Austin, 1992; PhD, 1997

**Neal Wise...1969**

Professor Emeritus  
BA, Aquinas Institute, 1963; MA, 1964; MA, 1968;  
MA, University of Wisconsin, 1969;  
PhD, Graduate Theological Union-Berkeley, 1982

**Amy Nathan Wright...2010**

Visiting Assistant Professor of University Studies  
BA, University of Texas at Austin, 1997; MA, 2001;  
PhD, 2007

**David Patrick Wright...1977**

Associate Professor of Physics, Mathematics and  
Computer Science  
BS, St. Edward's University, 1965;  
PhD, University of Texas at Austin, 1974

**Hilal Yilmaz...2010**

Assistant Professor of Economics  
BS, Bilkent University, Turkey, 2000;  
MS, University of Illinois at Urbana-Champaign, 2003;  
PhD, 2006

**Tomas Y. Yufik...2012**

Assistant Professor of Psychology  
BA, University of California at Berkeley, 2000;  
MA, University at Buffalo, The State University of  
New York, 2007; PhD, 2011

**Debra Zahay Blatz...2015**

Professor of Marketing  
AB, Washington University in St. Louis, 1977;  
MM, Northwestern University, 1980;  
JD, Loyola University of Chicago, 1983;  
PhD, University of Illinois at Urbana, 2000

**William J. Zahn...2011**

Assistant Professor of Marketing  
BBA, University of Texas at Austin, 2002;  
PhD, University of Houston, 2011

**William Joseph Zanardi...1975**

Professor of Philosophy  
BA, Pontifical College Josephinum, 1969;  
MA, Loyola University, 1972; PhD, 1975

**W. Bradley Zehner II...2007**

Associate Professor of Management  
BA, University of California–Riverside, 1966;  
MBA, University of Southern California, 1968;  
MS, 1970;  
MA, Pepperdine University, 1983;  
PhD, The Peter F. Drucker Graduate Management  
Center, Claremont Graduate University, 1996



## 2015–2016 ACADEMIC CALENDAR

### Fall Semester 2015

August	24	Monday	Classes begin
	28	Friday	Last day to change sections or add ANY class
September	7	Monday	Labor Day — no classes
	9	Wednesday	Official Headcount Day; last day for unrecorded drop
October	1	Thursday	Deadline to convert incomplete grades for Summer 2015 and deadline to initiate grade appeals for Spring or Summer 2015
	5	Monday	December graduation certifications due in Office of the Registrar
	12	Monday	Mid-semester
	16	Friday	Founder's Day — no classes
November	3	Tuesday	Last day to withdraw from ANY class
	25–27	Wednesday–Friday	Thanksgiving Break — no classes
December	7–10	Monday–Thursday	Exam/Test Week
	10	Thursday	End of semester
	12	Saturday	Official Degree date for December graduates
	15	Tuesday	Final grades due by 11:59 p.m.

---

## Spring Semester 2016

January	11	Monday	Classes begin
	15	Friday	Last day to change sections or add ANY class
	18	Monday	Martin Luther King Jr. Holiday — no classes
	27	Wednesday	Official Headcount Day; last day for unrecorded drop
February	22	Monday	May graduation certifications due in the Office of the Registrar Mid-semester
	29	Monday	
March	1	Tuesday	Deadline to convert incomplete grades or initiate grade appeals for Fall 2015
	13–19	Monday–Saturday	Spring Break — no classes
	24–26	Thursday–Saturday	Easter Break — no classes
	28	Monday	No day classes; evening classes meet (5:00 p.m. and later)
	28	Monday	Last day to withdraw from ANY class
May	2-5	Monday–Thursday	Exam/Test Week
	5	Thursday	End of semester
	7	Saturday	Commencement
	10	Tuesday	Final grades due by 11:59 p.m.

## Summer Sessions 2016

May	16	Monday	12-Week and Summer I classes begin
	18	Wednesday	Last day to change sections or add ANY class, Summer I
	20	Friday	Last day to change sections or add ANY class, 12-Week;
	27	Friday	Official Headcount Day and last day for unrecorded drop, Summer I
	30	Monday	Official Headcount Day and last day for unrecorded drop, 12-Week Memorial Day — no classes
June	13	Monday	Last day to withdraw from ANY class, Summer I
	17	Friday	August graduation certifications due in the Office of the Registrar
	27	Monday	Last class day, Summer I
	28–July 4	Tuesday–Monday	Summer break — no classes meet
July	1	Friday	Deadline to convert incomplete grades or initiate grade appeals for Spring 2016
	5	Tuesday	Summer II classes begin; 12-Week classes resume
	7	Thursday	Last day to change sections or add ANY class, Summer II
	11	Monday	Official Headcount Day and last day for unrecorded drop, Summer II
	18	Monday	Last day to withdraw from ANY class, 12-Week
August	1	Monday	Last day to withdraw from ANY class, Summer II
	15	Monday	Last class day, 12-Week and Summer II
	20	Saturday	Official Degree date for August graduates
	23	Tuesday	Final grades due by 11:59 p.m.

# INDEX

## A

Academic Advising.....	13
Academic Assistance .....	13
ACADEMIC CALENDAR .....	195
Academic Counseling and Exploration (ACE) .....	13
Academic Grievance Policy .....	29
Academic Integrity.....	25
Academic Load .....	24
Academic Planning and Support (APSC)	
Course Description .....	106
ACADEMIC PROGRAMS .....	20
Academic Records, Name Change on .....	36
ACADEMIC REGULATIONS.....	24
Academic Standing, Requirements for Satisfactory .....	25
Academic Support Courses .....	22
Academic Support Programs.....	13
Accounting .....	43
Accounting (ACCT) Course Descriptions.....	106
Accounting Information Technology Program.....	43
Accreditation, University .....	ii
Acting .....	104
Activities .....	18
ADMINISTRATION.....	183
ADMISSION INFORMATION.....	5
Admission Requirements .....	5
Admission to Classes.....	25
Advanced Placement Program .....	31
Advising.....	26
Air Force ROTC.....	21
Air Force Science (ARFS) Course Descriptions .....	107
Apartment Deposit.....	8
Apartments on Campus.....	15
Application Deadlines.....	5
Application Fee.....	8
Application Procedures .....	5
Arabic (ARAB) Course Descriptions .....	110
Army ROTC.....	21
Art .....	44, 101
Art (ARTS) Course Descriptions.....	107
Art History .....	45
Astronomy (ASTR) Course Description.....	110
Athletics.....	18
Athletic Training Certification .....	76
Attendance, Class.....	25
Audit Fee .....	8
Auditing Courses .....	26
Austin Community College Articulation Agreement.....	30

## B

Bachelor of Fine Arts .....	104
Basic Skills Classes (see also Academic Support Courses).....	22
Behavioral and Social Sciences Majors, School of.....	41
Behavioral Neuroscience.....	46
Bill Munday School of Business Majors.....	41
Biochemistry.....	46
Bioinformatics .....	47
Bioinformatics (BINF) Course Descriptions .....	110
Biology.....	47, 99
Biology (BIOL) Course Descriptions.....	111
Board of Trustees .....	183
Business Administration .....	49
Business Administration (BUSI) Course Descriptions .....	113

## C

CALENDAR, ACADEMIC .....	195
CAMPUS MAP.....	203
Campus Ministry.....	13
Campus Recreation.....	18
Capstone Course.....	37
Capstone Course (CAPS) Course Description.....	114
Career Planning and Management (CPAM)	
Course Description .....	114
Career and Professional Development .....	13
Caribbean Advanced Proficiency Examination (CAPE).....	32
Catholic Studies.....	50
Catholic Studies (CATH) Course Descriptions .....	114
Certificate Program, List of.....	39
Certification, Graduation .....	34
Challenge Exam Fee.....	8
Challenging Courses.....	31
Changing an Academic Record.....	27
Chemistry .....	51, 99
Chemistry (CHEM) Course Descriptions .....	115
Chinese (CHIN) Course Descriptions .....	117
Classification.....	25
College Assistance Migrant Program (CAMP).....	14
College Level Examination Program (CLEP) .....	31
College Mathematics Requirement.....	40
Communication .....	52
Communication (COMM) Course Descriptions.....	117
Communication, Official Medium of.....	24
Commuter and Apartment Dining Plans .....	8
Comparative Languages, Literatures and Cultures	
(CLLC) Course Description .....	121



Computational Skills .....	40	Engineering .....	59
Computer Information Science .....	53	English as a Foreign Language .....	22
Computer Science .....	54	English Language Arts and Reading (4–8) .....	98
Computer Science (COSC) Course Descriptions .....	121	English/Language Arts and Reading (8-12) .....	100
Cooperative Education (COOP) Course Description .	123	English/Language Arts and Reading (EC-6) .....	97
Costs .....	8	English Literature .....	60
COSTS AND FINANCIAL AID .....	8	English Literature (ENGL) Course Descriptions .....	130
Counseling Center .....	14	English Writing and Rhetoric .....	61
Counseling Services .....	14	English Writing and Rhetoric (ENGW)	
COURSE DESCRIPTIONS .....	106	Course Descriptions.....	133
Course Load (see Academic Load) .....	24	English Writing Proficiency .....	22, 39
Course Numbering .....	24	Enrollment.....	ii
COURSE REQUIREMENTS FOR MAJORS		Enrollment Deposit .....	8
AND MINORS .....	41	Entrepreneurship .....	64
Credit by Examination .....	31	Entrepreneurship (ENTR) Course Descriptions.....	136
Criminal Justice .....	55	Environmental Chemistry .....	64
Criminal Justice (CRIJ) Course Descriptions .....	124	Environmental Science and Policy .....	65
Criminology .....	56	Environmental Science and Policy (ENSP)	
Criminology (CRIM) Course Descriptions .....	125	Course Descriptions.....	136
Cultural Foundations (CULF) Course Descriptions....	126	Examination, Credit by .....	31
Cultural Foundations,		Examinations .....	28
General Education Requirements for.....	38		
Cultural Foundations,		<b>F</b>	
Transferred Course Equivalents for .....	31	FACULTY .....	185
CURRICULUM DESIGN.....	37	Fall Semester 2015 .....	195
<b>D</b>		Family Educational Rights and Privacy Act (FERPA) ....	34
Dance (DANC) Course Descriptions.....	126	Fees, General.....	8
Dates of Entrance .....	5	Fees, Materials and Laboratory .....	9
Dean's List.....	34	Final Grades.....	29
Defense Activity for Nontraditional Education Support		Finance .....	66
(DANTES) .....	31	Finance (FINC) Course Descriptions .....	138
Digital Media (BDMM) Course Descriptions.....	126	Financial Aid.....	12
Digital Media Management.....	57	Financial Responsibilities .....	10
Dining Plans .....	8	First-Year Seminar in the Major (FYSM)	
Diploma .....	34	Course Description .....	138
Disability Services .....	14	Fitness for the Teaching Profession .....	95
Dropping Course Work.....	11	Forensic Chemistry.....	66
<b>E</b>		Forensic Science.....	67
Early Childhood–Grade 6 Program Requirements .....	97	Forensic Science (FRSC) Course Descriptions.....	139
Early Childhood–Grade 12 Program Requirements ....	101	Foundational Skills,	
Economics .....	58	General Education Requirements for.....	38
Economics (ECON) Course Descriptions.....	127	Foundational Skills, Transferred Course Equivalents for ...	31
Education (EDUC) Course Descriptions .....	128	Foundations for Values and Decisions,	
Education Majors, School of.....	41	General Education Requirements for.....	38
Education (See Teacher Education) .....	93	Foundations for Values and Decisions,	
E-mail (see Communication, Official Medium of) .....	24	Transferred Course Equivalents for .....	31
		French.....	68
		French Baccalaureate.....	32

French (FREN) Course Descriptions.....	140
Freshman Admission.....	5
Freshman Studies.....	37
Freshman Studies: the Human Experience (FSTY)	
Course Descriptions.....	141
Freshman Writing Proficiency.....	39
Fresh Start.....	6

## G

General Education Requirements.....	37
Geography (GEOG) Course Descriptions.....	141
German.....	69
German (GERM) Course Descriptions.....	141
Global Studies.....	70
Global Studies (GLST) Course Descriptions.....	141
Global Understanding Program.....	20
Grade reports.....	29
Grades.....	28
Grades 4-8 Program Requirements.....	98
Grades 7-12 Program Requirements.....	99
Graduate Programs.....	7
Graduation Certification.....	34
Graduation Honors.....	34
Graduation Requirements.....	33
Graphic Design.....	71
Graphic Design (GDES) Course Descriptions.....	143

## H

Health & Counseling Center.....	14
Health Insurance.....	8, 14
Health Professions Advisory Committee (HPAC).....	87
Health Services.....	14
Hilltop Leadership Development.....	18
History.....	71, 100
History (HIST) Course Descriptions.....	144
HISTORY OF THE UNIVERSITY.....	3
Honors, Graduation with.....	34
Honors (HONS) Course Descriptions.....	146
Honors Program.....	20
Humanities Majors, School of.....	41

## I

Incomplete, Grade of.....	28
Independent Study.....	26
Information Technology (IT).....	17
Instructional Support Services.....	17
Interactive Games Management.....	72

Interactive Games Management (IGMT)	
Course Descriptions.....	149
Interactive Games Studies.....	72
Interactive Games Studies (IGST)	
Course Descriptions.....	149
Interdisciplinary Major in Mathematics.....	98
Interdisciplinary Major in Social Studies.....	99
Interdisciplinary Scholars Program.....	20
Interdisciplinary Scholars Program (IBSS).....	149
Interdisciplinary Studies.....	73
International Baccalaureate Program (IB).....	31
International Business.....	74
International Business (IBUS) Course Descriptions.....	150
International Student Admission.....	6
International Student Fee.....	8
International Student Services.....	15
Internship Grades.....	29
Internships.....	21
IT Training.....	17

## J

Japanese (JAPN) Course Descriptions.....	150
Jewish Studies.....	75
Journalism.....	75
Journalism (JOUR) Course Descriptions.....	150

## K

Kinesiology.....	76, 101
Kinesiology (KINE) Course Descriptions.....	151

## L

Laboratory Fees.....	9
Liberal Studies.....	79
Library.....	17
Life Science, Biology.....	99
Linguistics (LING) Course Descriptions.....	154

## M

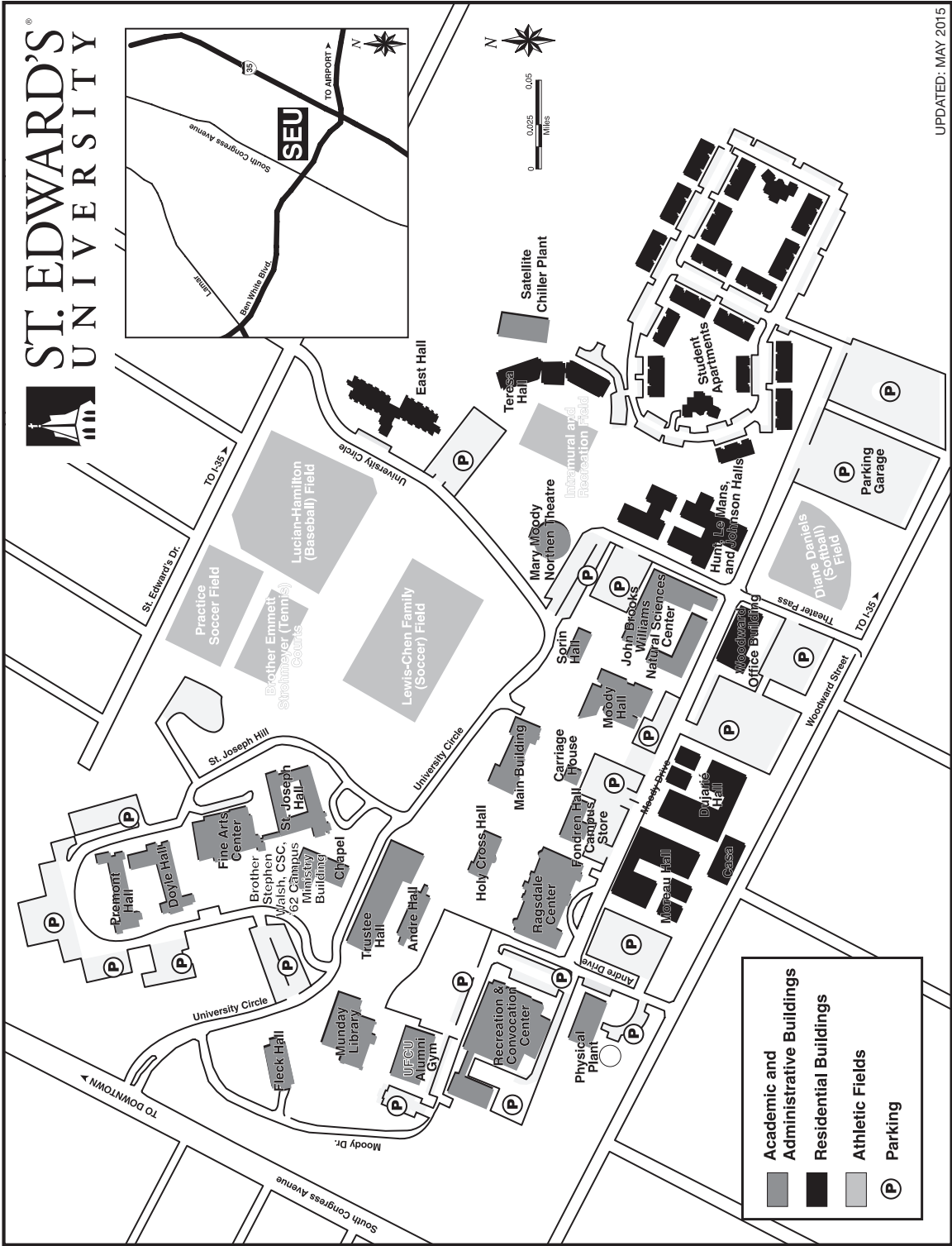
Major Requirements, General.....	32
Majors, Alphabetic List of.....	38
Majors and Minors by Schools.....	41
Management.....	80
Management (MGMT) Course Descriptions.....	154
Marketing.....	81
Marketing (MKTG) Course Descriptions.....	155
Mary Moody Northen Theatre.....	19
Materials Fees.....	9

Mathematics .....	81, 98, 100	Police .....	16
Mathematics (MATH) Course Descriptions .....	155	Political Science .....	85
Mathematics Skills .....	23	Political Science (POLS) Course Descriptions .....	164
McNair Scholars Program.....	21	Postbaccalaureate Students.....	6
Meal Plans .....	8	Postbaccalaureate Teacher Certification Benchmarks .....	94
Medical Laboratory Science.....	82	Pre-Dental Curriculum.....	86
Meningitis Vaccination .....	7	Pre-Engineering Curriculum.....	86
Military Activation.....	27	Pre-Law Curriculum .....	86
Military Experience, Credit for.....	32	Pre-Medical Curriculum .....	86
Military Science (MILS) Course Descriptions .....	158	Pre-Physical Therapy Emphasis.....	77
Minor Requirements, General .....	33	Pre-Professional Programs, List of.....	39
Minors, Alphabetic List of.....	39	Privacy Act (FERPA) .....	34
MISSION STATEMENT OF THE UNIVERSITY .....	2	Probation (see Requirements for Satisfactory Academic Standing) .....	25
Modern Language Requirements.....	32	Professional Ethics .....	87
Modern Languages (MDLN) Course Descriptions .....	158	Professional Programs, List of .....	39
Multicultural Experiences .....	19	Proficiency Examination Program (PEP) .....	31
Munday Library.....	17	Psychology .....	87
Music.....	82	Psychology (PSYC) Course Descriptions .....	166
Music (MUSI) Course Descriptions.....	159		
Music Theater, Minor in.....	83		
<b>N</b>			
Name Change on Academic Records.....	36	Quantitative Skills .....	40
Natural Sciences Majors, School of.....	42		
New College .....	22		
New College Course Descriptions .....	160		
New College Degrees.....	39		
Non-High-School Graduate Admission.....	5		
<b>O</b>			
Office of Admission .....	7		
Office of Information Technology .....	17		
On-Campus Apartments .....	8		
Orientation Fee.....	8		
Orientation for New Students .....	15		
<b>P</b>			
Parking.....	16		
Parking Fee .....	8		
Pass/No Pass Grading .....	29		
Past-Due Accounts.....	11		
Payment Options.....	10		
Philosophy .....	84		
Philosophy (PHIL) Course Descriptions .....	160		
Photocommunications.....	84		
Photocommunications (PHCO) Course Descriptions .....	162		
Physical Education (Kinesiology).....	101		
Physics (PHYS) Course Descriptions.....	163		
		<b>Q</b>	
		Quantitative Skills .....	40
		<b>R</b>	
		Reading (READ) Course Descriptions .....	167
		Reading/Study Strategies Proficiency .....	23
		Readmission of Former Students .....	6
		Recreation and Convocation Center.....	18
		Refund Policies .....	11
		Refunds to Students.....	12
		Registration.....	26
		Religious and Theological Studies.....	88
		Religious and Theological Studies (RELS) Course Descriptions.....	168
		Repeated courses.....	29
		Request to Take Courses Off Campus .....	30
		Requirements for Satisfactory Academic Standing.....	25
		Requirements, General University .....	39
		Residence Hall Rooms.....	8
		Residence Halls and Apartments .....	15
		Resident Meal Plans.....	8
		Room and Board .....	8
		Room/Board Refunds.....	12
		ROTC, Air Force and Army .....	21
		<b>S</b>	
		Schedule Adjustments.....	26
		Scholarships.....	12

SCHOOL ORGANIZATIONS .....	184	Technology Fee .....	8
Science (SCIE) Course Descriptions.....	170	Texas Higher Education Assessment (THEA) .....	96
Second Degree Requirements .....	32	Theater Arts .....	102, 103
Security (see University Police) .....	16	Theater Arts (THAR) Course Descriptions .....	178
Semester Hour .....	24	Theatre, Mary Moody Northen .....	19
SERVICES AND ACTIVITIES .....	13	Transcripts .....	29
Social Studies .....	99	Transfer Admission .....	5
Social Work .....	89	Transfer Credit for General Education.....	31
Social Work (SOCW) Course Descriptions.....	171	Transfer of Credits .....	30
Sociology .....	90	Transient Student Admission .....	7
Sociology (SOCI) Course Descriptions .....	173	Transitional Experiences .....	18
Spanish .....	90, 101	Trustees .....	183
Spanish/Language Arts/Reading .....	97	Tuition.....	8
Spanish (SPAN) Course Descriptions.....	174		
SPECIAL ACADEMIC PROGRAMS .....	20	<b>U</b>	
Special Education .....	97	Undergraduate Teacher Certification Benchmarks.....	93
Special Education (SPED) Course Descriptions .....	177	University Police .....	16
Special Studies Programs (ESPG) Course Descriptions	177		
Spring Semester 2016 .....	196	<b>V</b>	
Student Code of Conduct.....	16	Valedictorian.....	34
Student Conduct .....	16	Veterans Affairs .....	17
Student Financial Responsibilities.....	10	Visual Studies (VISU) Course Description .....	181
Student Life .....	18	Voter Registration .....	36
Student Organizations .....	18		
Student Right-to-Know .....	36	<b>W</b>	
Student Support Services .....	13	Wellness and Outreach Services .....	15
Student Teaching Internship .....	95	Wild Basin Scholars (WBRs) Course Description.....	182
Study Abroad.....	16	Withdrawal from the University, Formal .....	27
Study Abroad (SABR) Course Descriptions.....	177	Withdrawing from Short Courses (Modules) .....	11
Summer Session.....	26	Withdrawing from the University, Financial Consequences .....	11
Summer Sessions 2016 .....	197	Women's Studies .....	105
		Women's Studies (WMST) Course Descriptions.....	182
<b>T</b>		Working Adults, Undergraduate Program for .....	22
TABLE OF CONTENTS.....	1	Writing Center.....	17
Teacher Certification.....	96	Writing Proficiency.....	39
Teacher Certification Examinations .....	96		
Teacher Education .....	93		



# CAMPUS MAP



## NOTES

## NOTES

