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GENERAL INFORMATION

OVERVIEW
Texas A&M University-Central Texas (A&M-Central Texas), located in Killeen, Texas, is an upper-level, regional institution serving Central Texas. A&M-Central Texas offers junior- and senior-level coursework needed to successfully complete baccalaureate degrees and all coursework leading to the completion of graduate (master’s and specialist) degrees. Founded in 1973 as the American Technological University (ATU), the University has experienced significant change. In 1989, ATU officially changed its name to the University of Central Texas (UCT) and concurrently experienced a growth in enrollment from approximately 550 students in 1988 to more than 1,000 in 1997. In October of 1998, the Texas Higher Education Coordinating Board (THECB) supported Tarleton State University’s proposal to create a university system center in Central Texas; and on September 1, 1999, Tarleton State University-Central Texas was established.

A&M-Central Texas became a stand-alone university on May 27, 2009, one of eleven universities within The Texas A&M University System. A&M-Central Texas became a separately accredited institution in June 2013 through the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), retroactive to January 1, 2013.

History of Name Changes

<table>
<thead>
<tr>
<th>Year Range</th>
<th>Name Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973 - 1989</td>
<td>American Technological University</td>
</tr>
<tr>
<td>1989 - 1999</td>
<td>University of Central Texas</td>
</tr>
<tr>
<td>1999 - 2009</td>
<td>Tarleton State University-Central Texas</td>
</tr>
<tr>
<td>2009 - Present</td>
<td>Texas A&amp;M University-Central Texas</td>
</tr>
</tbody>
</table>

Geographic Service Area and Student Population
A&M-Central Texas is located on 672 beautiful acres of land at the intersection of State Highway 195 and State Highway 201 in Killeen. The land was transferred to The Texas A&M University System from the U.S. Army in the summer of 2009. The University’s service area includes Central Texas. The student population at A&M-Central Texas is diverse and growing, currently serving over 2,600 students, a 19% increase in headcount and a 41% increase in full-time equivalent (FTE) students over Fall 2009. In Fall 2016, 43% of students reported that they were White, 23% reported they were Black or African American, 21% reported they were Hispanic or Latino, and 13% reported that they were of other or multiple races. More than 4,800 students have graduated with a baccalaureate or graduate degree since 2009.

Full-time faculty, advisors, and support staff are available to assist students with admission, financial aid, degree plans, and career planning during both day and extended evening hours. A&M-Central Texas offers undergraduate degrees and graduate degrees.

As an upper-level institution, A&M-Central Texas has developed agreements with Central Texas community colleges that enable a seamless transfer without the loss of credits. In addition, A&M-Central Texas faculty and staff actively engage in dialog with representatives from area community colleges to monitor instructional need and to ensure appropriate access to educational opportunity at all levels.

A&M-Central Texas is a member of GoArmyEd, a virtual gateway for soldiers on active duty who may at any time request Tuition Assistance (TA) online for classroom, distance learning, and eArmyU online college courses. GoArmyEd is used by soldiers as a one-stop shop to pursue and manage their postsecondary educational goals; by Army Education Counselors to provide educational guidance; and by colleges to deliver degree and course offerings and to report soldiers’ progress.

Newly admitted A&M-Central Texas students are required to complete an application for admission and meet with an academic advisor to review degree plans. For current students, registration is available online. The University offers programs to assist students with academic advising, special needs, tutoring, counseling, medical needs, and career services.

Academic Calendars and Final Examination Schedules
View the University Calendar at www.tamuct.edu/about/calendar.html.

Accreditation, Vision, Values, and Goals

Accreditation
Texas A&M University-Central Texas is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master’s, and specialist 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 A&M-Central Texas.

Vision
Texas A&M University-Central Texas will achieve national recognition as an upper-level university, offering high quality and affordable undergraduate and graduate educational programs to address regional and statewide needs.

Mission
Texas A&M University-Central Texas is a public, upper-level university offering baccalaureate and graduate degrees important to the region and the state. It is committed to high quality, rigorous, and innovative educational programs delivered in a variety of instructional modes to a diverse student population through exceptional teaching, service, and applied scholarship. With an emphasis on community engagement, the university employs emerging technology to enhance student learning and to nurture its partnerships with regional community colleges, the military presence in its region, and the community at large.

Core Values
- EXCELLENCE AND ACHIEVEMENT – We strive to continuously improve, innovate, and exceed expectations.
- COMPASSION – We care about the feelings of others. When others are suffering, we empathize and offer help.
- INTEGRITY – We conduct ourselves in an ethical and respectful manner.
• **KNOWLEDGE** – We provide educational experiences to encourage lifelong learning and intellectual curiosity.

• **DIVERSITY** – We respect and value both differences and similarities in our students, co-workers, and other stakeholders.

• **INITIATIVE** – We encourage the involvement and the contribution of each employee. We create a workplace where every employee can share a sense of ownership.

• **COLLABORATION** – We develop and maintain partnerships to serve the needs of our students, faculty, staff, and external stakeholders.

### Goals

Academic Excellence through Accountability and Classroom Rigor

Building an Environment to Foster Scholastic Achievement

Fostering a Sense of Community

### Board of Regents and Administration

**Texas A&M University-Central Texas Administration**

| President | Dr. Marc A. Nigliazzo |
| Provost/Vice President for Academic and Student Affairs | Dr. Peg Gray-Vickrey |
| Vice President for Finance and Administration | Ms. Gaylene Nunn |
| Vice President for Research and Economic Development | Dr. Russell Porter |

### Texas A&M University System

#### Board of Regents

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Charles W. Schwartz (Chairman)</td>
<td>Houston</td>
</tr>
<tr>
<td>Ms. Elaine Mendoza (Vice Chairman)</td>
<td>San Antonio</td>
</tr>
<tr>
<td>Mr. Phil Adams</td>
<td>Bryan/College Station</td>
</tr>
<tr>
<td>Mr. Robert L. Albritton</td>
<td>Fort Worth</td>
</tr>
<tr>
<td>Mr. Anthony G. Busbee</td>
<td>Houston</td>
</tr>
<tr>
<td>Mr. Morris E. Foster</td>
<td>Belton</td>
</tr>
<tr>
<td>Mr. Tim Leach</td>
<td>Midland</td>
</tr>
<tr>
<td>Mr. Bill Mahomes</td>
<td>Dallas</td>
</tr>
<tr>
<td>Mr. Cliff Thomas</td>
<td>Victoria</td>
</tr>
<tr>
<td>Mr. Stephan F. Shuchart (Student Regent)</td>
<td>Houston</td>
</tr>
</tbody>
</table>

The Texas A&M University System includes:

- Texas A&M University
- Prairie View A&M University
- Tarleton State University
- Texas A&M International University
- Texas A&M University-Corpus Christi
- Texas A&M University-Kingsville
- West Texas A&M University
- Texas A&M University-Commerce
- Texas A&M University-Texarkana
- Texas A&M University-Central Texas
- Texas A&M University-San Antonio
- Texas A&M AgriLife Research
- Texas A&M Engineering Experiment Station
- Texas A&M AgriLife Extension Service
- Texas A&M Forest Service
- Texas A&M Engineering Extension Service
- Texas A&M Transportation Institute
- Texas A&M Veterinary Medical Diagnostic Laboratory
- Texas A&M System Sponsored Research Services
- Texas A&M System Health Science Center

### University Police Department

The Texas A&M University-Central Texas University Police Department is service and safety oriented with broad enforcement powers, dedicated to providing an atmosphere in which the mission of the University is accomplished. Providing a safe and secure environment for A&M-Central Texas students, faculty, and staff is a top priority.

The police department operates 365 days a year, 24 hours a day, 7 days a week and provides a full range of law enforcement services, including criminal investigations, accident investigations, and emergency services. Representatives of the department are actively involved in instructional and educational outreach. University police have jurisdiction over all university properties and is extended to off-campus locations in accordance with the Texas Education Code section 51.203 and department policy. Our police officers are certified Texas peace officers as defined in article 2.12 of the Texas Code of Criminal Procedure and are authorized to carry firearms at all times within the State of Texas.

Emergency call boxes are strategically located throughout campus for students, faculty, and staff to summon assistance from the police department. In addition, during an emergency the police can be reached by dialing 911. All 911 calls will be answered by Bell County Communications Center and are routed to a university police officer. Callers should let the 911 operator know the emergency is located on the A&M-Central Texas campus.

Violations of University regulations are reported to the university’s chief judicial officer for further action. Individuals arrested for violations of law are transported to the Bell County Jail for booking.

The police department reports crime statistics to the U.S. Department of Justice and the Texas Department of Public Safety. Each report includes the number and types of crimes committed and is available on the web.


**Office:** University Police

**Location:** Founders Hall, Room 103

**Telephone:** 254-501-5800
consecutive semesters will be as follows for each student classification: with their enrollment at A&M-Central Texas. The guaranteed number of not change for a specified number of consecutive semesters beginning graduate students, that guarantees a defined tuition and fee rate that will based on classification for undergraduate students, or program length for Students opting into The Warrior Guarantee will be assigned to a cohort enroll and graduate within the same academic year. Requirements. This plan is best suited for those students who plan to increase in designated tuition as approved and specified by The Texas A&M University System Board of Regents for each of the first four years of the plan. The resulting tuition and fee rate for each student cohort in the first four years of the plan is guaranteed not to change during each guaranteed period of consecutive semesters. Students opting into The Warrior Guarantee will be assigned to a cohort based on classification for undergraduate students, or program length for graduate students, that guarantees a defined tuition and fee rate that will not change for a specified number of consecutive semesters beginning with their enrollment at A&M-Central Texas. The guaranteed number of consecutive semesters will be as follows for each student classification:

- Students who exceed the specified number of consecutive semesters allowed for degree completion for a specific cohort will be assessed tuition and fees at the approved rate for a similar cohort in the subsequent academic year.
- With the implementation of The Warrior Guarantee, there will be an increase in designated tuition as approved and specified by The Texas A&M University System Board of Regents for each of the first four years of the plan. The resulting tuition and fee rate for each student cohort in the first four years of the plan is guaranteed not to change during each guaranteed period of consecutive semesters.
- Students unable to enroll due to special circumstances—such as military deployment or medical emergencies—may request an extension equivalent to the number of semesters missed due to their special circumstance.

All undergraduate students, regardless of residency, are eligible for our flat tuition option, which will cap tuition at 12 semester credit hours (SCH). In other words, if a student chooses to take more than 12 SCH in a semester, the charge for tuition and mandatory fees will equal the charge for 12 SCH. This is our "Bachelor's Bonus," allowing you to take more hours for less!

For further information on the estimated cost of tuition & fees visit: https://www.tamuct.edu/business-office/tuition-fees.html

Explanation of Fees
The following expenses are required of all students. Tuition, University Services Fee, and Student Services are included in The Warrior Guarantee. Other fees will apply based on specific circumstances.

Tuition
Tuition for undergraduate and graduate students varies by credit hour based on the tuition and fee plan selected by the student. See the "Expenses" section for more information about the available tuition and fee plans. Tuition also varies per semester credit hour based on residency. See "Determination of Residence for Tuition Purposes" in this section for more information.

University Services Fee
This fee is charged to all students and pays for numerous services such as the library, computer labs, classroom technology support, academic advising, administrative services, ID card services, and instructional support.

Student Services
This fee supports student services at A&M-Central Texas. The maximum amount charged per semester is $237.60.

Course Fees
These fees are charged to cover the costs of materials and services directly associated with selected classroom or laboratory activities.

Distance Learning Fee
The fee of $80 per semester credit hour is assessed on all online courses to provide web-based student services support.

Excessive Hours Fee
A fee of $100 per semester credit hour is charged to students with excessive semester credit hours towards a degree program. Reference Texas Education code § 54.014 which provides a limit on the number of hours an undergraduate Texas resident may attempt while paying in-state tuition.

Field Assignment Fee
A fee of $75 per course is charged to all students who register for a student teaching, internship, field placement, or cooperative education course. This fee is used for costs directly associated with these courses.
Graduation Fee
This fee is due at the time the graduation application is submitted. This fee is used for costs directly related to graduation (diplomas, etc.). Students who do not apply for graduation by the appropriate deadline will be assessed a $20 late fee.

International Student Program Fee
This is a fee assessed only to international students at a rate of $40 per semester, which funds expenses directly associated with the International Education Program.

Laboratory Fee
A fee of not less than $2 and not more than $30 for each laboratory course may be charged for materials and supplies.

Late Registration Fee
Students who do not register or make initial payments by the appropriate deadline will pay a $25 late fee.

INSTALLMENT PAYMENT PLAN FEE
Students who sign up for the installment payment plan will be assessed a $20 processing fee.

Late Payment Fee
Students who make an installment payment after the due date will be charged a late payment fee of $20. Students who are delinquent more than five days may be prohibited from registering for classes and blocked from all University services.

Materials Fee
A fee may be added for specialized courses requiring supplies to supplement instructional activities.

Parking Fee
Students who wish to park a vehicle or motorcycle on A&M-Central Texas property must pay a parking fee of $30 for each regular semester and $10 for each summer semester.

Repeated Courses Fee (3-peat)
An additional course fee will be charged at a rate of $100 per semester credit hour to those students who attempt the same course for a third time since Fall 2002. This provision is described in the Texas Higher Education Coordinating Board Rules (Chapter 13, Subchapter B, §13.25).

Testing Fee
A testing fee of $15 for first-time students will be assessed to support the Testing Center and other university testing services. It is charged at the time of first enrollment and covers all institutional testing in the Testing Center while the student is enrolled.

Reinstatement Fee
A student who is dropped from the rolls of the University will be charged a fee of $100 for reinstatement of their status as student.

Recreational Sports Fee
The recreational sports fee will fund recreational and wellness initiatives and programs for students beginning Fall 2016. The fee of $50 for summer and $100 for spring and fall will only be charged to individuals who are taking face-to-face courses and who have an assigned course that is designated to the main campus. This fee is only charged to new students beginning Fall 2016.

Transcript FEE
A fee of $3.00 is charged for transcript processing. The first two transcripts are free.

CERTIFICATION FEE
The certification fee covers the required services for admission and compilation of your Texas Candidate Certification Record and to verify your credentials in pursuit of a Texas Educator Certification.

INTERNSHIP FEE
The internship fee provides the candidate a Field Supervisor and Mentor, as required by TEA, in the pursuit of obtaining a Teacher Certification. This fee is required every semester the candidate is enrolled in the Internship I or Internship II course.

CERTIFICATE FEE
This is an application fee for graduate certificates.

Payment of Fees
All the aforementioned fees must be paid by the designated date stated on a student’s bill. Student account information is available thru Warrior Bill Pay via WarriorWeb, which features 24/7 access, E-bills, electronic refunding, on-line payment plan enrollment, and authorized user access. Payment due dates are also displayed in Warrior Bill Pay.

The following options are available for fee payment in regular fall and spring semesters:

- OPTION 1. Payment in full by the designated date.
- OPTION 2. Payment in four installments as follows:
  - Installment 1: 25% of charges by designated date;
  - Installment 2: 25% of charges by designated date;
  - Installment 3: 25% of charges by designated date;
  - Installment 4: 25% of charges by designated date.

Each student who elects option 2 must enroll in the payment plan through Warrior Bill Pay, via WarriorWeb. An installment agreement must be on file in the Business Office. Students who fail to make tuition and fee payments by the due date may be prohibited from registering for classes for succeeding semesters until the payment is made. For short sessions, including summer, payment in full is due by the designated date.

Notice Concerning Check Payments
If a check accepted by the University is returned unpaid by the bank (including electronic check) on which it is drawn, the person presenting it will be required to pay a penalty of $30. If the check is not redeemed
within 20 days after the date of the first notice, the student may be dropped from the rolls of the University and the check turned over to the County Attorney for collection.

### Refunds

Students who pay tuition and fees in full and withdraw from the University will receive a refund based on the refund schedule below. Students paying on an installment basis who withdraw from the University will be required to pay the balance of fees due in accordance with this schedule. The refund schedule is as follows:

#### Session 10 weeks or greater

<table>
<thead>
<tr>
<th>Time Frame</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to 1 class day</td>
<td>100%</td>
</tr>
<tr>
<td>1st, 2nd, 3rd, 4th, 5th class day</td>
<td>80%</td>
</tr>
<tr>
<td>6th, 7th, 8th, 9th, 10th class day</td>
<td>70%</td>
</tr>
<tr>
<td>11th, 12th, 13th, 14th, 15th class day</td>
<td>50%</td>
</tr>
<tr>
<td>16th, 17th, 18th, 19th, 20th class day</td>
<td>25%</td>
</tr>
<tr>
<td>After the 20th class day</td>
<td>0%</td>
</tr>
</tbody>
</table>

#### Session greater than 5 weeks and less than 10 weeks

<table>
<thead>
<tr>
<th>Time Frame</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to 1 class day</td>
<td>100%</td>
</tr>
<tr>
<td>1st, 2nd, 3rd, 4th class day</td>
<td>80%</td>
</tr>
<tr>
<td>4th, 5th, 6th class day</td>
<td>50%</td>
</tr>
<tr>
<td>After the 6th class day</td>
<td>0%</td>
</tr>
</tbody>
</table>

#### Sessions 5 weeks or less

<table>
<thead>
<tr>
<th>Time Frame</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to 1 class day</td>
<td>100%</td>
</tr>
<tr>
<td>1st class day</td>
<td>80%</td>
</tr>
<tr>
<td>2nd class day</td>
<td>50%</td>
</tr>
<tr>
<td>After the 2nd class day</td>
<td>0%</td>
</tr>
</tbody>
</table>

#### Withdrawing From All Courses at the University

The effective withdrawal date is the date the withdrawal is reported to and recorded in the Registrar’s Office. This is the date used to calculate refunds.

### Dropped Classes

The effective drop date is the date that a course drop is recorded in the Registrar’s Office. If a course is dropped on or before the census date for the appropriate session, the student will be refunded for the tuition and fees associated with that course. If a course is dropped after the appropriate census date, the student will not receive a refund.

Census dates for various length sessions are as follows:

<table>
<thead>
<tr>
<th>Length of Class in Weeks</th>
<th>Official Census Date</th>
<th>Last Date to Drop or Withdraw with a “Q” or “W”</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 weeks</td>
<td>Second class day</td>
<td>Friday of second week</td>
</tr>
<tr>
<td>4 or 5 week</td>
<td>Fourth class day</td>
<td>Friday of third week</td>
</tr>
<tr>
<td>6, 7, or 8 weeks</td>
<td>Sixth class day</td>
<td>Friday of fourth week</td>
</tr>
<tr>
<td>9, 10, or 11 weeks</td>
<td>Seventh class day</td>
<td>Friday of seventh week</td>
</tr>
<tr>
<td>12, 13, or 14 weeks</td>
<td>Ninth class day</td>
<td>Friday of tenth week</td>
</tr>
</tbody>
</table>

### Special notes:
For refund purposes, class days are determined by the calendar, not by the number of class meetings. As an example, if a semester starts on Monday, Thursday of that week is considered the 4th class day for all classes.

### Conditions of Refunds

Tuition and fee refunds will not be made until 10 days have elapsed from the date the fees were paid. Refunds of tuition and fees paid by a sponsor, donor, or scholarship available through the University are made to the funding source, rather than to the student who has withdrawn. All student services and privileges are terminated when a student withdraws or graduates from the University.

### Nonrefundable Fees

Fees required for special courses, parking, installment plans, late payment, or late registration are non-refundable.

### Residence for Tuition Purposes

In accordance with Texas Education Code § 54.052, the following persons shall be classified as Texas residents and will be entitled to pay in-state tuition.

#### Residency through High School Graduation in Texas

A person who:

1. Graduates from a high school in Texas or receives a GED in Texas; and
2. Physically resides in Texas for the 36 consecutive months immediately prior to high school graduation; and
3. Physically resides in Texas for the 12 consecutive months immediately prior to the census date of the semester in which the student enrolls in a Texas public college or university.

#### Residency by Establishing and Maintaining Domicile

A person who:

1. **Independent Individuals**
   a. Has established and maintained their domicile in Texas for the 12 consecutive months preceding the census date of the academic semester in which they enroll at Texas A&M University-Central Texas; and
   b. provides more than one-half of their own financial support, and is not eligible to be claimed as a dependent for income tax purposes.

2. **Dependent Individuals**
   a. Whose parent has established and maintained their domicile in Texas for the 12 consecutive months preceding the census date of the academic semester in which they enroll at Texas A&M University-Central Texas.
Residency through Prior Residency Classification and Continuous Enrollment

A person who:

1. Was previously enrolled and classified as a Texas resident in a public institution of higher education; and
2. Maintained continuous enrollment, or did not break enrollment for more than one regular semester.

Establishment of Domicile

Establishing domicile in Texas is presumed if, for at least 12 months prior to the census date of the semester in which he or she is to enroll, the person (or their parent if they are a dependent) resided in Texas and:

1. Owned and occupied real property in Texas (renting a home is not ownership); or
2. Owned and managed a “brick & mortar” business in Texas; or
3. Was gainfully employed, including self-employment, in Texas; or
4. Marriage for at least 12 months to a person who established a domicile in Texas per one of the above methods is also a basis for establishing domicile;
5. (Military only) The service member’s Home of Record with the military is Texas, or Leave and Earning Statements show the member has claimed Texas as their place of residence for the 12 consecutive months prior to enrollment.

Residency Reclassification

It is the student’s responsibility to ensure residency classification is accurate prior to registering for courses. If incorrect, it is also the student’s responsibility to ensure corrections are made before the census date of the applicable semester. Any applicant or student classified as a non-resident who wishes to be considered for reclassification as a resident must submit the Core Residency Questions. Along with the form, the applicant or student must submit supporting documentation that proves residency for tuition purposes. Oftentimes, an applicant or student will submit the Core Residency Questions and upon receipt, Undergraduate Admissions will request additional documentation specific to the way the Core Residency questions were answered.

For More Information please see the College for All Texans (http://www.collegeforalltexans.com/index.cfm?ObjectID=6D1466D9-AEA5-DE00-C12F3F75E7367718) webpage.

1 Student visa holders are not eligible for this option for establishment of residency. An individual who is neither a US citizen, nor permanent resident must complete and submit the Residency Affidavit.
2 Students are not able to obtain residency through family members, sponsors, or individuals who are not their biological or adoptive parent, or court-appointed legal guardian, even if that person claims them on taxes or provides the majority of their financial need.

3 Employment intended to provide an income to a person or allow a person to avoid the expense of paying another person to perform the tasks (as in child care) that is sufficient to provide at least one-half of the individual’s tuition, fees and living expenses as determined in keeping with the institution’s student financial aid budget or that represents an average of at least 20 hours of employment per week. A person who is self-employed or who is living off his/her earnings may be considered gainfully employed for purposes of establishing residency, as may a person whose primary support is public assistance.

Student Financial Assistance

A&M-Central Texas offers student financial assistance in the form of loans, grants, and scholarships. Financial assistance resources from the University should be viewed only as supplementary to the financial resources of the applicant and family.

To apply for financial aid, a student must submit a Free Application for Federal Student Aid (FAFSA) online at https://fafsa.ed.gov/. (catalog.tamuct.edu/general-information/student-financial-assistance/www.fafsa.gov) To determine your eligibility for need-based aid, we take into consideration the cost of attendance (COA) and your expected family contribution (EFC) as determined by the federal government from the information you provided on the FAFSA.

Priority Dates

To receive maximum consideration for financial assistance, your FAFSA information must be received by the institution prior to March 15 for the upcoming academic year. To ensure timely awarding in advance of the respective semester, FAFSA information and all requested documentation should be submitted prior to the following priority dates:

- Summer semester: April 1st
- Fall semester: June 1st
- Spring semester: November 1st

Types of Aid

Grants

Federal, state, and institutional grants are forms of gift aid available to help cover your cost of obtaining a higher education. These grants are awarded on the basis of financial need and available funding. Below is a list of the grants offered at Texas A&M University-Central Texas.

Federal Pell Grant

The Federal Pell Grant awards are based on level of enrollment and Expected Family Contribution (EFC). Students must meet all eligibility criteria for receiving federal aid. The maximum Pell Grant for award year 2017-2018 is $5,920.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The FSEOG is a program for undergraduates with exceptional financial need. Only Pell Grant recipients with an EFC of zero will be considered. Students must be enrolled at least half-time to be eligible. The maximum FSEOG amount for the award year 2017-2018 is $1,000.

Toward Excellence, Access, and Success Grant (TEXAS Grant)
The TEXAS Grant is gift aid awarded to students who are working on their first undergraduate degree who meet state mandated eligibility requirements. Information on eligibility can be located online at College for All Texans (http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=458). The maximum TEXAS Grant award for 2017-2018 is $6,500.

Texas Public Education Grant (TPEG)

Texas resident and non-resident undergraduate students may be eligible for up to $2,100 ($700 per semester) per academic year. Graduate students may be eligible for up to $2,280 ($760 per semester) per academic year. Students must be enrolled at least half-time and awards are prorated based on enrollment.

Warrior Tuition Grant

Texas resident undergraduate and graduate students may be eligible for up to $1,200 ($400 per semester) per academic year. Students must be enrolled at least half-time and awards are prorated based on enrollment.

Loans

Federal, state, and institutional student loans are borrowed money you must repay with interest.

Federal Direct Student Loans

As an undergraduate student loan borrower, you may be awarded a subsidized (need based) or unsubsidized (non-need based) loan depending on your financial need. As a graduate student loan borrower, you may only be awarded an unsubsidized loan (non-need based) loan. If you are awarded a subsidized loan (i.e., an undergraduate student), interest will not accrue on your loan while you are enrolled at least half-time. If you are awarded an unsubsidized loan, you will be responsible for the interest while in school. You will receive quarterly interest statements on your unsubsidized loan from your servicer. It is recommended that you pay this interest every quarter. If you do not, the interest will be added to your loan amount upon entering repayment, which will result in increasing costs of repaying your loans.

Federal Direct Parent (PLUS) Loans

If you are a dependent student, your parent may also be offered a Direct Loan (known as a parent Direct Loan, Direct PLUS Loan, or its longer name—William D. Ford Federal Direct Loan). Federal Direct Parent (PLUS) Loans are unsubsidized loans for the parents of dependent students.

PLUS loans help pay for education expenses up to the cost of attendance minus all other financial assistance. Interest is charged during all periods. Parents of dependent students may apply for a Federal Direct.

Parent Loan (PLUS) is available to help pay for a child’s education expenses as long as specific eligibility requirements are satisfied. To be eligible for a PLUS Loan, the applicant must not have an adverse credit history, which will be verified at the time of loan application.

Emergency Tuition and Fee Loan

Emergency Tuition and Fee Loans are made available to students that are unable to pay their first installment payment at A&M-Central Texas (only tuition and fee charges are covered) during the Fall or Spring semesters, or full balance during Summer semesters. Applications for all Emergency Tuition and Fee Loans are processed through the Office of Student Financial Assistance. Distribution and repayment of funds is made through the Business Office.

- In the Fall and Spring semester(s), a student may borrow up to 25% of their total tuition and fee charges. Students must also sign up for an installment plan to complete their semester registration. In the Summer semester, a student may borrow up to the amount of their tuition and fees.
- An origination fee of 1.25% will be assessed on the amount of the loan. Emergency Tuition and Fee Loans and applicable fees must be repaid within the prescribed repayment period.
- Deadline for processing Emergency Tuition and Fee Loans will be 30 days before all loans are due.

Book Loans

Students may borrow up to $500 to purchase books at the Warrior Bookstore only. A voucher will be issued which the student will present to the Warrior Bookstore. The purchase amount, up to $500, will be recorded on the voucher; this amount becomes the principal due on the loan. A $15 service charge will be assessed. Loans must be repaid by the established due date. Loans not paid on time will be assessed a $10 late fee.

Work Opportunities

Eligible students may participate in either the Federal Work Study program, funded jointly by the Department of Education and the University, or the Texas College Work Study Program, funded jointly by the State of Texas and the University. Students must show financial need and meet established eligibility standards. Funds are awarded on a first-come, first-serve basis. Current work study employment does not guarantee a student work-study position for the following academic year.

Other Assistance

The Office of Student Financial Assistance assists students with the use of a variety of educational benefits from a variety of sources. These sources may include employer-based programs, state exemption, and waiver programs. Students should contact the Office of Student Financial Assistance to determine how they may utilize their available benefits.

Prepaid Tuition and College Savings Plans

Prepaid tuition plans allow families to prepay future college tuition and fees. The two most common prepaid plans used at Texas A&M University-Central Texas are:

- Texas Guaranteed Tuition Plan (formerly the Texas Tomorrow Fund)
- Texas Tuition Promise Fund

Scholarships

Texas A&M University-Central Texas offers a variety of merit and need-based scholarship opportunities to support students in pursuit of their education. With the support of the A&M-Central Texas Foundation and generous donors, the scholarship program at A&M-Central Texas continues to grow. Scholarships are awarded for academic ability and achievement, demonstrated leadership, extracurricular activities, financial need, and other criteria as defined by specific scholarship programs.

Scholarship Deadlines
After you have been admitted to A&M-Central Texas, you may apply for scholarships by completing a general scholarship application via the A&M-Central Texas Scholarship Portal. Please see below for the scholarship application submission deadlines associated with each academic semester:

- Fall Semester Deadline: August 1
- Spring Semester Deadline: November 2
- Summer Semester Deadline: April 1

For more information on possible scholarship opportunities please visit our Scholarship Opportunities web page at https://www.tamuct.edu/financial-aid/scholarships.html

Consortium Agreement

An A&M-Central Texas student concurrently enrolled at an eligible host institution may complete a consortium agreement for financial aid purposes. Under a consortium agreement, a student’s financial aid eligibility will be based on the combined enrollment between A&M-Central Texas and the participating host institution.

Eligibility requirements:

- Must be a degree-seeking student at A&M-Central Texas, enrolled in at least one course at A&M-Central Texas;
- Must be enrolled in at least one course at an eligible host institution;
- Semester credit hours at host institution must meet outstanding degree requirements;
- Semester credit hours at the host institution must coincide with the academic semester at A&M-Central Texas (i.e., fall credit hours must begin and end within the months of August and December and spring credit hours must begin and end within the months of January and May).

Satisfactory Academic Progress (SAP) Components

There are three components to SAP. Failure to comply with any component may result in a loss of aid eligibility. The three components are as follows:

1. Minimum Cumulative Grade Point Average (GPA)
   - Undergraduate Students: 2.0
   - Graduate Students: 3.0

2. Completion Rate (Deficit Hours)
   - While students are expected to enroll full-time to be eligible for financial aid, each student must successfully complete at least 67% of all credit hours attempted.
   - This percentage includes all institutional and transfer credit hours, regardless of whether or not financial aid was received.
   - Grades of W, F, I, Q, WF, U, and grade exclusions are not considered to be adequate grades for completion.

3. Maximum Hours (Excessive Hours)
   - Students are expected to complete their degree pursuits within a maximum number of hours, including transfer hours earned in addition to institutionally attempted hours.

   - For students seeking their first bachelor’s or master’s degree, the maximum number of credit hours (total attempted hours) is limited to 150% of the published degree program length and includes all hours attempted (including repeats and withdrawals) at any institution of higher education and any hours accepted in transfer—even if financial aid was not received. Evaluated credit will also be included in the total attempted hours once articulated by the Undergraduate Admissions Office.

*** Credit hours are cumulative; students obtaining more than the maximum hours (e.g., change in major) may reach this maximum time frame before completing their course of study and may need to appeal the time frame eligibility.

Review Policy

The Office of Student Financial Assistance will review the above minimum standards of academic progress at the end of every semester to determine each applicant’s eligibility for aid consideration for the upcoming year (summer, fall, spring). If it is determined that the student does not meet the requirements, they are ineligible to receive financial aid and will be notified accordingly.

Financial Aid Warning

Students who fail to meet the SAP standards of a sufficient cumulative GPA (2.0 GPA for undergraduate students and 3.0 GPA for graduate students) and a 67% completion rate will be placed on a warning status for financial aid. The student will remain eligible for financial aid for one semester while on a warning status.

First-time transfer students who fail to meet Financial Aid SAP requirements at the end of their initial semester are not eligible for Financial Aid Warning.

Financial Aid Suspension

Students who fail to meet the SAP standards of a sufficient cumulative GPA (2.0 GPA for undergraduate students and 3.0 GPA for graduate students) and a 67% completion rate after a semester on financial aid warning status are placed on financial aid suspension and immediately lose eligibility for financial aid.

Maximum Time Frame Suspension

Students who fail to meet the maximum time frame standards are placed on an excessive hour suspension and immediately lose financial aid eligibility. There is no provision for a warning period if students exceed the maximum time frame.

SAP Appeal

Students placed on a financial aid suspension will be given the opportunity to appeal this suspension to have their financial aid reinstated. Students are limited to two appeals as an undergraduate student and two as a graduate student.

Return of Funds Due to Withdrawal

A student who withdraws from the University after receiving financial assistance may be required to repay all or part of the awarded aid. A withdrawal form must be initiated in the Registrar’s Office before the last day for withdrawals, which is posted on the university calendar. A student is not officially withdrawn until this form is completed with the approval...
of each appropriate university office and returned to the Registrar’s Office. Please note that students receiving all F’s, incompletes, or a combination of the two may be considered withdrawn. In addition, the definition of a withdrawal related to financial assistance may differ from the definition used by the Registrar’s Office when a student is enrolled in multiple sessions in a single semester.

As required by federal regulations, the Office of Student Financial Assistance determines if a student must repay all or part of the aid awarded. The calculation of repayment is made at the time of the withdrawal by determining the amount of aid the student was awarded, the amount of awarded aid the student earned, and the amount of awarded aid the student did not earn. Unearned aid must be returned to the aid program(s). The institution returns Title IV funds no later than 30 days after the determination of a student’s withdrawal date. If a student earned more aid than was disbursed, the student may be entitled to a disbursement after their withdrawal. During the withdrawal process, students are encouraged to speak with a representative from the Office of Student Financial Assistance.

The policy governing the return of funds due to withdrawal may be modified at any time, without prior notice, in order to comply with state and federal guidelines.

### Tuition and Student Fee Exemptions

Texas currently maintains a variety of programs aimed at exempting tuition, fees, and other expenses related to attending public colleges or universities. These exemption programs are targeted to specific populations that the Texas Legislature has identified as warranting special consideration related to paying for higher education costs.

All exemptions are processed through the Office of Student Financial Assistance. Claims for exemption from any charges must be supported by evidence sufficient to enable the Office of Student Financial Assistance to verify the student exempt status and determine the duration of the exemption and the charges to which it is applicable.

#### Blind/Deaf (Texas Education Code 54.205)

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Yes</th>
<th>Student Service Fees</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Other Mandatory Fees</td>
<td>Yes</td>
<td>Course Specific Lab Fees</td>
<td>Yes</td>
</tr>
<tr>
<td>Breakage Deposit</td>
<td>Yes</td>
<td>Testing Fee</td>
<td>Yes</td>
</tr>
<tr>
<td>Parking</td>
<td>Yes</td>
<td>Room Board</td>
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<tr>
<td>Books</td>
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#### Children of POWs and MIAs (Texas Education Code 54.209)

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<tr>
<th>Tuition</th>
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<tbody>
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#### Dependents of Fireman and Police (Texas Education Code 54.204)

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<tbody>
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#### Hazlewood-Texas Veterans Dependent Children and Spouse of Texas Veterans (Texas Education Code 54.203)

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<th>Student Service Fees</th>
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<tr>
<td>Books</td>
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#### Foster Care Children (Texas Education Code 54.211)

<table>
<thead>
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<th>Tuition</th>
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<tr>
<td>Books</td>
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#### Adopted Students Formerly in Foster or Other Res Care (Texas Education Code 54.2111)

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<td>Other Mandatory Fees</td>
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<tr>
<td>Breakage Deposit</td>
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<td>Testing Fee</td>
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<tr>
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<td>Room Board</td>
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#### Students of Other Nations of American Hemisphere (Texas Education Code 54.207)

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<td>Testing Fee</td>
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<td>Room Board</td>
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<tr>
<td>Books</td>
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</tr>
<tr>
<td>Scholarship</td>
<td>Tuition</td>
<td>Student Service Fees</td>
<td>Other Mandatory Fees</td>
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<tr>
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</tr>
<tr>
<td><strong>Valedictorian (Texas Education Code 54.201)</strong></td>
<td>Yes</td>
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<td>No</td>
</tr>
<tr>
<td><strong>Tuition and Student Fee Exemptions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Survivor of Public Servant (Killed in the Line of Duty) (Texas Government Code 615.0225 &amp; 615.003)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>**Senior Citizen (6 SCH Limit) (Texas Education Code 54.210)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>**Good Neighbor Scholarship Program (Texas Education Code 54.207)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>**Nursing Faculty/Staff (Texas Education Code 54.221)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<tr>
<td>**Clinical Preceptor (Limit $500) (Texas Education Code 54.222)</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>**Firefighters Taking Fire Science Curriculum (Texas Education Code 54.208)</td>
<td>Yes</td>
<td>No</td>
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</tr>
<tr>
<td>**Peace Officers Enrolled in Law Enforcement or Criminal Justice Courses (Texas Education Code 54.3531)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<tr>
<td>**Peace Officers Disabled in the Line of Duty (Texas Education Code 54.352)</td>
<td>Yes</td>
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<tr>
<td>**Educational Aide Exemption (Texas Education Code 54.363)</td>
<td>Yes</td>
<td>No</td>
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</table>

Awarded yearly to the highest-ranking graduate of any accredited high school in Texas. Recipients are exempt from tuition payment for the two long semesters of their freshman year, providing that they attend the same school for both semesters. Eligible students should send or bring their certificate to the Office of Student Financial Assistance prior to registration.
Central Texas has for several years consistently requested disclosure of programs; and other such related requirements that might arise. A&M-record eligibility for participation in Reserve Officers Training Corps including loans, scholarships, grants, and allowances; determine and record eligibility for student financial assistance, Central Texas, in view of the practical administrative difficulties that SSN is strongly recommended for admission as a student at A&M- Accordingly, applicants for admission are advised that disclosure of the purposes it will be used. what statutory or other authority the number is solicited, and for what also be advised whether that disclosure is mandatory or voluntary, by any federal, state, or local government agency requests an individual disclosed and maintained for the ordinary rules of good conduct, to be truthful, to respect the rights of others, to protect private and public property, and to make the best of their time toward an education.

Principle of Equal Opportunity

A&M-Central Texas prohibits discrimination against individuals in its recruitment, hiring, training, and promotional processes on the basis of race, color, sex (except in rare occasions where sex is a bona fide occupational qualification), religion, age, national origin, disability, genetic information, or veteran status. Inquiries regarding faculty and staff compliance with this commitment may be directed to the Office of Human Resources, Warrior Hall, Room 424, (254) 519-8016 or the Title IX Coordinator, Warrior Hall Room 425H, (254) 519-5722, compliance@tamuct.edu.

Equal Educational Policy

In compliance with Title VI of the Civil Rights Act of 1964 and other applicable federal and state laws, A&M-Central Texas provides equal access to educational programs and activities without regard to race, color, sex, religion, age, national origin, disability, genetic information, or veteran status. Questions regarding equal educational access may be directed to the Office of Employee Services, Warrior Hall, Room 424 (254) 519-8016 or the Title IX Coordinator, Warrior Hall Room 425H, (254) 519-5722, compliance@tamuct.edu.

Social Security Number Disclosure

Section 7(b) of the Privacy Act of 1974 (5 U.S.C. 552a) requires that when any federal, state, or local government agency requests an individual to disclose his/her social security number (SSN), that individual must also be advised whether that disclosure is mandatory or voluntary, by what statutory or other authority the number is solicited, and for what purposes it will be used.

Accordingly, applicants for admission are advised that disclosure of the SSN is strongly recommended for admission as a student at A&M-Central Texas, in view of the practical administrative difficulties that would be encountered in maintaining adequate student records without continued use of the SSN. The SSN is used to verify the identity of the student; determine and record eligibility for student financial assistance, including loans, scholarships, grants, and allowances; determine and record eligibility for participation in Reserve Officers Training Corps programs; and other such related requirements that might arise. A&M-Central Texas has for several years consistently requested disclosure of the SSN on admissions application forms and other necessary student forms and documents. This is pursuant to statutes passed by the State of Texas and United States, regulations adopted by agencies of the State of Texas and United States, and by the Board of Regents of the Texas A&M University System.

FERPA Statement

Family Educational Rights and Privacy Act of 1974 - Official Notice to Students

Students’ Education Records Policy for Texas A&M University-Central Texas

The Family Educational Rights and Privacy Act of 1974, as Amended (FERPA), provides eligible students certain rights regarding their education records. An “eligible student” under FERPA is any student, regardless of their age, who attends or has attended a postsecondary institution. These rights are outlined in the Statement of Rights section below.

Statement of Rights

Texas A&M University-Central Texas encourages students to exercise all of their rights under the Family Educational Rights and Privacy Act (20 U.S.C. 1232g). Operating under the premise that the educational process is a cooperative venture between a student and the university, we emphasize the following rights of eligible students:

1. The right to inspect and review, with certain limited exceptions, the student’s education records. A student must submit a written request to the appropriate Texas A&M University-Central Texas official identifying the record(s) the student wishes to inspect. The appropriate Texas A&M University-Central Texas official will, within 45 days of receipt of the request for access, make arrangements for the student to inspect the record(s);

2. The right to request the non-disclosure of personally identifiable information (PII) contained within the education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person or entity:
   a. employed by the university or the university system in an administrative, supervisory, academic, research, or support staff position;
   b. serving on a university governing body or duly authorized panel or committee; or
   c. employed by or under contract to the university to perform a special task, function, or service for the university.

A school official has a legitimate educational interest if the information requested is necessary for that official to:
   a. perform appropriate tasks that are specified in his/her position description or in the performance of regularly assigned duties by a lawful supervisor;
   b. fulfill the terms of a contractual agreement;
   c. perform a task related to a student’s education;
   d. perform a task related to the discipline of a student; or
   e. provide a service or benefit relating to the student or student’s family, such as health care, financial aid, job placement, or former student-related activities.
Disclosure to a school official having a legitimate educational interest does not constitute university authorization to transmit, share, or disclose any or all information received to third parties unless such disclosure is permitted or required by law.

3. The right to request the amendment of their education records if the student believes the record is inaccurate or misleading. The student should submit a written request to the appropriate Texas A&M University-Central Texas official clearly identifying the part of the record the student wants changed and specifying why it is inaccurate or misleading. If the University decides to comply, the record will be amended and the student notified, in writing, that the record has been amended. If the University decides not to comply, the student will be notified in writing of the decision and will be advised of the right to request a hearing to challenge the information believed to be inaccurate or misleading;

4. The right to file a complaint with the U.S. Department of Education regarding alleged failures by the University to comply with the requirements of FERPA. The name of the office that administers FERPA is the Family Policy Compliance Office.

A student is entitled to all the rights and protections given students under FERPA; however, information in student records may be provided to parents/legal guardians without the written consent of the student if the eligible student is a financial dependent of his or her parents/legal guardians as defined under Section 152 of the Internal Revenue Code of 1986.

Directory Information
Under FERPA, Texas A&M University-Central Texas has established the following as directory information and may disclose the information without the student’s written consent: student’s name, address, e-mail address, telephone number, dates of attendance, major field of study, classification, the most recent educational agency or institution attended, degrees, honors and awards received, weight and height of members of athletic teams, and participation in officially recognized activities and sports. Currently enrolled students wishing to withhold any or all directory information items may do so by completing the Authorization for Release of Information form and submitting it to the Office of the Registrar. After this information is entered, a message block will appear on the monitor screen indicating that the student’s records are confidential. “Confidential” will also appear in the top left-hand corner of the screen when that student’s records are accessed.

Once information has been published in a printed publication, it cannot be removed from that publication.

Only currently enrolled students are eligible to restrict directory information. Once a student has left the university, he/she can no longer set restrictions on directory information at the university. If a student restricts his/her directory information and leaves the university, the restriction continues until the student removes it.

Records Not Available Under FERPA
Students shall have access to all of their education records as maintained by the university with the exception of the following:

1. A personal record kept by a university official which meets the following tests:
   a. it is in the personal possession of the individual who made it;
   b. information contained in it has never been revealed or made available to any other person except the maker’s temporary substitute.

2. An employment record which is used only in relation to a student’s employment by the university, except where an individual in attendance at the university is employed as a result of his or her status as a student.

3. Records relating to a student which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his or her professional, or paraprofessional capacity or assisting in that capacity, which are used in connection with providing treatment to a student are not disclosed to anyone other than the individuals providing the treatment.

4. Financial records and statements of a student’s parents/legal guardians.

5. Confidential letters and statements of recommendation which were placed in the education records of a student prior to January 1, 1975.

6. Confidential letters and statements of recommendation which were placed in the education records of a student on or after January 1, 1975, if the student has waived his or her right to inspect and review the letters or statements.

7. Records concerning admissions to an academic component of the university which the student has never attended.

Questions concerning FERPA may be referred to the Compliance Officer.

Certification for Dependency
Under provisions of FERPA, students enrolled in post-secondary educational institutions are deemed to “own” their education record from the first enrollment, regardless of the age of the student. Institutions may, but are not required to, grant access to certain non-directory information in a student’s education record if the student is claimed as a dependent on his or her parent’s/guardian’s federal income tax return. Generally, non-directory information will not be released to a parent or guardian unless a Certification of Dependency Form is completed and signed by both the parent(s)/guardian(s) and the student and is brought to the Office of the Registrar, Founders Hall Room 108 or mailed to the Office of the Registrar, 1001 Leadership Place, Killeen, TX, 76549. Until this form is filed, parents are not entitled to this information.

Penalties for Violating FERPA
The Family Policy Compliance Office reviews and investigates complaints of violations of FERPA. The penalty for violating FERPA is loss of all federal funding, including grants and financial aid.

If you witness or commit what you believe to be a possible FERPA violation, please notify the Compliance Officer immediately at 254-519-5722. The Compliance Officer will investigate the matter and determine what action, if any, should be taken. If you have any questions about FERPA compliance or the release of student information, please contact the University Compliance Officer at compliance@tamuct.edu or 254-519-5722.

Hazing Law
Texas Education Code § 51.936(d) requires each university to publish in its university catalog a summary of the state hazing law. This requirement went into effect on May 30, 1995.
Education Code § 51.936 requirement to publish a summary of Education Code Ch. 37, subchapter F. Hazing in the University Catalog

The following is a summary of Chapter 37, subchapter F. (§§ 37.151-157) of the Texas Education Code, which prohibits hazing in Texas public or private high schools. Texas Education Code § 51.936 applies the prohibition on hazing as stated in Ch. 37 to institutions of higher education. This summary of Chapter 37 is provided as required by § 51.936(d).

Summary

Hazing is a criminal violation under Texas law. A person may be found guilty of criminal conduct for hazing, encouraging hazing, permitting hazing, or having knowledge of the planning of hazing incidents and failing to report in writing his/her knowledge to the Director of Student Affairs.

Both failing to report hazing and hazing that does not result in serious bodily injury are Class B misdemeanors. Hazing that results in serious bodily injury is a Class A misdemeanor. Hazing resulting in a death is a state jail felony. An organization found guilty of hazing may be fined $5,000 to $10,000 or, for incident causing personal injury or property damage, an amount double the loss or expenses incurred because of the hazing incident.

It is not a defense to prosecution that the person hazed consented to the hazing activity.

Any person reporting a specific hazing incident to the Director of Student Affairs or other appropriate institutional official is immune from civil and criminal liability unless the report is in bad faith or malicious.

This state law does not limit or affect an educational institution’s right to enforce its own penalties against hazing.

The Education Code defines hazing as "any intentional, knowing, or reckless act occurring on or off the campus of an educational institution, by one person or acting with others, directed against a student, that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in an organization." The statute contains a list of conduct which constitutes hazing.

Military and Veteran Services

Ted And Diane Connell Military and Veteran Services Center

The Ted and Diane Connell Military and Veteran Services Center provides assistance to student veterans, service members, and their families in the utilization of Veteran Affairs (VA) education benefits and military tuition assistance, military transcripts evaluation (p. 34), and a successful transition to student life. The Military and Veteran Services Center houses Veteran Benefits Advisors (School Certifying Officials), Military Coordinator, Fort Hood Coordinator, and our VetSuccess on Campus Program Counselor, VetCenter Representative, and VA Work Study participants.

Staff are available to answer questions about veterans' education benefits and military tuition assistance, military credit evaluation (p. 34), as well as to certify enrollments and monitor students’ degree plans and academic progress. However, the VA Regional Processing Office is the final authority on disbursement of funds. In addition, some chapters of veterans’ education benefits may require the student to verify his/her enrollment status in order for the VA to release his/her monthly payments. Please note that the last day of the month in question is the earliest day that enrollment for that month may be verified.

A&M-Central Texas School Certifying Officials are not VA employees: they act as liaisons between the University and the VA. The School Certifying Officials work to ensure that the regulations of the VA are satisfied, as well as the policies of the University; however, the School Certifying Officials are not authorized to make judgments regarding the status of a student’s VA education benefits.

Please refer to the VA website (http://benefits.va.gov/gibill) for additional information regarding education benefits or the VetSuccess on Campus Program Counselor.

The Military and Veteran Services Center stands ready to facilitate the transition from military life into academics. Services include:

• Information and support related to the Post 9/11 GI Bill
• Montgomery GI Bill
• Dependents Educational Assistance
• Reserve Educational Assistance Program
• Vocational Rehabilitation
• Montgomery GI Bill-Reserve
• Military Credit Evaluations (p. 34)

Please contact (254) 519-5423 for information concerning VA resources and benefits. Questions and inquiries may also be sent to va@tamuct.edu.

VetSuccess On Campus

The VetSuccess on Campus Program is a collaborative effort between A&M-Central Texas and the United States Department of Veterans Affairs with the purpose of providing a supportive, on-campus environment where veteran students may gather to obtain assistance and peer support. The goal of the program is to help veterans transition to college life and successfully complete their educational programs. The VA has placed a full-time, experienced vocational counselor on the A&M-Central Texas campus. The counselor serves as a "one-stop liaison" for veterans, active duty military, and their eligible family members. A&M-Central Texas is one of the original eight schools in the nation to have an on-campus counselor from the Department of Veterans Affairs.

Your VetSuccess Counselor can assist you with:

• Information on VA educational benefits, to include the Montgomery GI Bill (Chapter 30), Post 9/11 GI Bill (Chapter 33), and other VA and non-VA educational benefits
• Information, guidance, and support while using your VA educational benefits
• Accessing, understanding, and applying for VA benefits, to include vocational rehabilitation & employment, disability compensation, life insurance, home loan guaranty, and other benefits and services
• Transition support services
• Vocational exploration and career counseling services
• Assistance with electing healthcare benefits through the Veterans Health Administration (VHA)
• Information and referrals for VA medical and mental health services
• Referrals for readjustment counseling services for eligible veterans and their family members
• Job placement assistance and coordination with local Disabled Veteran's Outreach Program (DVOP) specialists and Local Veterans Employment Representatives (LVER)
• Referrals to on-campus, community, and VA resources to ensure academic success.
REGISTRATION AND RECORDS

Mission
As an integral component of the Division of Enrollment Management, the Office of the Registrar exists to complement the educational goals of the University and the mission of the Division of Enrollment Management. Staff in the Office of the Registrar develop and implement technical and operational procedures to ensure the integrity, confidentiality, and security of student records, and to provide accurate interpretations of The Texas A&M University System policies and rules and A&M-Central Texas rules and procedures. Staff in the Office of the Registrar provide the highest level of service to the university community with respect, honesty, and integrity.

Academic Appeals Procedure
Student academic appeals are handled according to the following guidelines. Extenuating circumstances may cause the University to deviate from the defined time frames. Any question of interpretation or application of this procedure shall be referred to the Office of the Provost. Please visit https://www.tamuct.edu/student-affairs/student-conduct.html for the detailed and most recent copy of these procedures.

1. A student who wishes to appeal the decision of a faculty member (respondent) of a college should request a review by that faculty member within 30 calendar days of the originating event. The respondent is expected to give the student a written response within 15 calendar days.

2. If the respondent is unavailable, if a response is not made within 15 calendar days, or if the student is dissatisfied with the response and wishes to appeal a faculty member’s decision, the student must inform the department chair in writing of the intent to appeal within 60 calendar days of the originating event. In the case of a grade appeal, the original grade will stand in the student’s university record until the appeals decision is reached. The written appeal must include the following:
   a. Name, address, email, telephone number, and Warrior Identification Number;
   b. Date of alleged action against the student;
   c. Name of faculty member involved in the action;
   d. Nature of disciplinary action and copy of applicable materials;
   e. Circumstances which merit review; and
   f. Signature of student and date submitted.

3. The department chair is expected to give a written response within 15 calendar days of the filed appeal.

4. A student dissatisfied with the department chair’s decision may appeal in writing to the college’s Academic Appeals Committee within 15 calendar days of receiving notification of the decision from the department chair. The minimum standard for each college’s Academic Appeals Committee is three faculty members; each college is responsible for developing a specific and nonbiased committee structure. After considering all aspects of the incident, the committee may decide that no further review is justified, or it may render a recommendation to the academic dean. The decision of the academic dean is final and will be communicated to the student in writing.

Academic Honesty
A&M-Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to adhere to the highest standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Collaboration and community are valued at A&M-Central Texas; however, student responsibilities include, but are not limited to, maintaining integrity in individual academic work, reporting incidents of academic misconduct to instructors, and learning academic community standards. Ignorance of our standards and expectations is not an acceptable excuse for disobeying them. Any violation of the Honor Code of Academic Honesty shall also be considered a violation of the A&M-Central Texas Code of Student Conduct. Integrity is integral to scholarly work.

The Center for Academic Integrity defines academic integrity as a “commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect, and responsibility.” The excellence we, as an academic community, strive for is bound fundamentally to these values. Academic misconduct is any act that improperly affects a true and honest evaluation of a student’s academic performance. Misconduct may occur when the student acts knowingly or should reasonably know that the act is misconduct.

Academic Standing
Undergraduate Students
The following policies apply to all undergraduate students unless more restrictive rules are included as part of special admission conditions or more restrictive rules have been approved for a program, department, or college.

The purpose of academic warning, probation, and suspension is to make the student aware of the University’s concern that satisfactory progress is not being made in his or her course of study. Early notification of this concern maximizes the student’s opportunity to make appropriate adjustments to remain in good standing. A 2.0 total institutional GPA is the lowest acceptable academic standard. The total institutional GPA used in this policy is defined as the best attempt on each course taken at A&M-Central Texas; transfer coursework does not affect academic standing. A student with a 2.0 or higher total institutional GPA is considered to be in good standing.

Reaplication and readmission to the University does not affect academic standing, except in the case where a student is suspended and reapplies after sitting out the required time. Students are responsible for knowing their academic standing and the regulations that apply. Students who do not abide by the regulations governing their particular status may be required to reduce their academic load or withdraw from the University.

Academic Warning
A student in good standing who earns a total institutional GPA between 1.00 and 1.99 at the end of any fall or spring semester will be placed on academic warning. This status will not prevent the student from taking courses during the subsequent semester.

Academic Probation
A student on academic warning who maintains a total institutional GPA between 1.00 and 1.99 at the end of the subsequent fall or spring...
semester will be placed on academic probation. This status will not prevent the student from taking courses during the subsequent semester.

**Academic Suspension**

A student who earns below a 1.00 total institutional GPA at the end of a fall or spring semester is suspended.

A student on academic probation who earns less than a 2.00 total institutional GPA at the end of the next fall or spring semester will be suspended.

**Suspension Notification Process**

At the end of each fall and spring semester, the Department of Undergraduate Academic Advising will mail an official letter to undergraduate students who have been placed on suspension. The letter serves as official documentation to ensure the student has been properly notified of their academic standing with the University. A copy of the letter will be sent to the appropriate academic dean and the student’s academic counselor.

**Length of Suspension**

- First suspension – one long semester (fall or spring)
- Second suspension – one calendar year
- Third suspension – three calendar years

**Academic Suspension Appeal Process for Undergraduates**

A student who has not served the requisite length of suspension and wishes to request a waiver of the suspension term may appeal to the appropriate academic dean to forego the suspension and continue enrollment. The student must first contact the Department of Undergraduate Academic Advising, and compose an appeal letter addressing each of the following topics:

- A summary of the situation which resulted in poor academic performance and ultimate suspension;
- A justification for why the student should not be required to serve the term of suspension; and
- A plan for how the student will ensure success in the next term if the appeal request is granted.

The final decision for all suspension appeals will be made by the student’s academic dean.

Appeals are only finalized when the student and dean have signed the Contract for Conditional Enrollment.

Students who meet the terms of their contract will be permitted to continue enrollment with specific stipulations and courses, but must request a Contract for Conditional Enrollment each semester until they achieve good standing.

**Contact Information for appointments:**

Undergraduate Academic Advising

(254) 501-5924

ug.advising@tamuct.edu

A student who is suspended from A&M-Central Texas is advised not to take college courses at any institution during the term of suspension. Any student who takes transferable college level courses during the term of suspension must meet A&M-Central Texas transfer requirements in order to be readmitted and will be on academic warning the first long semester back at A&M-Central Texas. A student who is suspended from A&M-Central Texas and does not take transferable college level courses during the term of suspension may return to A&M-Central Texas after the term of the suspension and will be on academic warning the first long semester back at A&M-Central Texas.

**Academic Reinstatement after Suspension for Undergraduates**

An undergraduate student who has served the requisite length of suspension is required to see their academic dean prior to returning to the University. In addition, they must:

- Provide a letter of acknowledgment to the academic dean explaining the situation which resulted in poor academic performance and ultimate suspension and how the student plans to ensure he/she remains in good standing;
- Make an appointment with the college academic counselor to discuss courses they should take to ensure they can return to good standing;
- Make an appointment with the academic dean after seeing the academic counselor to discuss terms of re-enrollment which will ensure they can return to good standing; and
- Sign a Contract for Re-enrollment for the term of re-enrollment.

Please note all undergraduate students returning to A&M-Central Texas after serving a suspension will be placed on academic warning their first long semester back at A&M-Central Texas.

**Audit Policy**

A student may audit regular academic courses offered on campus provided space and required instructional equipment are available. A student may not audit regular academic courses offered online or on an independent-study basis. No credit is granted, no examinations are required, and no grades are reported for an auditing student. Attendance requirements, class preparation, and class participation are at the discretion of the instructor. Submission of a completed Course Audit Request Form and payment of required fees must occur prior to the registration deadline. Required fees include the audit fee and applicable course-related fees (i.e. lab, materials, field, etc.) as determined by the institution. Fees associated with a course audit are non-refundable unless the institution denies the audit request.

**Graduation under a Particular Catalog**

Both graduate and undergraduate students must meet the graduation requirements listed in the catalog governing the first semester in which they enrolled in residence as a degree-seeking student. If the student has not enrolled in the University in the past six years, he or she must meet graduation requirements and policy statements in the catalog in effect at the time of re-entry as a degree-seeking student. The student may also choose to graduate under any catalog published subsequent to the time of re-entry. The option to graduate under older catalog editions depends upon whether the University still offers programs and courses listed in
the older catalog. Only with special approval may a student graduate under the requirements of a catalog issued over six years prior to the student’s date of graduation. The University grants this permission in rare cases where extenuating circumstances exist and extreme hardship may result. The appropriate dean may authorize a limited extension.

Note: Any person who has completed their first degree at A&M-Central Texas and re-enters to seek a second degree will be listed under the catalog in effect at the time of entry to seek the second degree or any subsequent catalog. The student may not select a program which the University phased out prior to the student’s re-entry.

Class Attendance
The University strongly encourages class attendance and participation as a means to acquire knowledge but does not maintain an institution-wide attendance policy. Faculty members are responsible for establishing the attendance and participation policy for each course and outlining if and when make-up work will be accepted. Notification of attendance and participation requirements should be available at the start of each semester via the course syllabus. Students may request make-up consideration for valid and verifiable reasons, such as illness, death in the immediate family, legal proceedings, or participation in university-sponsored activities. Students participating in university-sponsored activities are responsible for obtaining a written explanation for their absence from the faculty/staff member responsible for the activity. In all cases, students are encouraged to notify the faculty member of the course(s) in advance of any absence. Failure to attend or participate in a course may also negatively affect a student’s financial aid eligibility.

Concurrent Enrollment at Other Institutions
Students with individual hardship situations that might be improved by concurrent enrollment at another college or university may request permission for concurrent enrollment through regular academic channels (academic advisor, department chair, or the academic dean). If permission is granted, such credit hours earned may be applied toward degree requirements at A&M-Central Texas. Courses completed without such approval may not apply toward degree requirements. Written permission from the department chair or the academic dean is required prior to concurrent enrollment in extension coursework or in any resident courses from other institutions. Course load limits are not waived for students seeking concurrent enrollment.

Student Course Load

### Undergraduate

<table>
<thead>
<tr>
<th>Semester</th>
<th>16 Week (Fall/Spring)</th>
<th>10 Week (Summer)</th>
<th>8 Week Session (Fall/Spring)</th>
<th>5 Week Session (Summer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Load</td>
<td>18 hours</td>
<td>12 hours</td>
<td>9 hours</td>
<td>6 hours</td>
</tr>
<tr>
<td>Full Load</td>
<td>12 hours</td>
<td>7 hours</td>
<td>6 hours</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

### Enrollments Status Descriptions for Financial Aid:
For financial aid purposes, enrollment requirements are the same for every semester (Fall, Spring, and Summer). Undergraduates must be enrolled in at least 12 undergraduate credit hours to be considered full-time, 9 to 11 undergraduate credit hours to be considered three-fourths time, and 6 to 8 undergraduate credit hours to be considered half-time.

Loads in excess of the maximum require approval by the academic dean. Loads in excess of 21 hours require approval from the Provost.

### Graduate

<table>
<thead>
<tr>
<th>Semester</th>
<th>16 Week (Fall/Spring)</th>
<th>10 Week (Summer)</th>
<th>8 Week Session</th>
<th>5 Week Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Load</td>
<td>16 hours</td>
<td>12 hours</td>
<td>9 hours</td>
<td>6 hours</td>
</tr>
<tr>
<td>Full Load</td>
<td>9 hours</td>
<td>6 hours</td>
<td>5 hours</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

### Enrollment Status Descriptions for Financial Aid:
For financial aid purposes, enrollment requirements are the same for every semester (Fall, Spring, and Summer). Graduate students must be enrolled in at least nine graduate-level credit hours to be considered full-time, 7 to 8 graduate-level credit hours to be considered three-fourths time, and 5 to 6 graduate-level credit hours to be considered half-time.

Loads in excess of the maximum require approval by the Director of Graduate Studies.

### Degree Plan Information
All newly admitted undergraduate students must file a Degree Acknowledgement Form (DAF) before registration. Initial degree plans are filed during the student’s first academic advising meeting after admission to the University. Once the DAF has been completed by the advisor, the advising hold will be lifted and the student can register for classes.

1. **MAJOR**
   a. A minimum of 24 semester credit hours within the field is required for a major, of which at least 12 semester credit hours must be in upper-level courses.
   b. A double major requires that a degree plan be filed for each major.

2. **MINOR**
   a. A minor is an organized curriculum that is offered as part of a baccalaureate degree plan and enhances or complements the degree to be awarded in a manner that leads to specific educational or occupational goals. A minor in a baccalaureate degree consists of at least 18 semester credit hours, of which at least 6 hours must be at the junior or senior level. Some minors require specific coursework. Please refer to the “Minors” section of the catalog for more information.
   b. Criminal Justice and Sociology require the declaration of a minor; for all other undergraduate programs, the selection of a minor is optional. Certain baccalaureate degree plans have restrictions as to which minors may be pursued or whether a minor may be pursued at all. If a minor is desired, it must be declared on the DAF. A student may declare no more than two minors.

3. **DEVELOPMENTAL/REMEDIAL COURSES**
   Needed as preparation for college-level coursework cannot be applied as degree plan contents.

4. **CREDIT HOUR REQUIREMENTS**
   a. All baccalaureate degrees require a minimum of 120 semester credit hours. If a student declares two majors in the same degree (e.g., BS Psychology and BS Sociology) all requirements for both programs must be fulfilled, though the minimum remains 120 semester credits. Students who declare two degrees (e.g., BA
English and BS Psychology) must fulfill all degree requirements for both programs and complete a minimum of 150 credits.

b. Students who are pursuing a second baccalaureate degree (including those whose first degree is from A&M-Central Texas) must complete all requirements for the second degree, including a minimum of 30 additional semester credit hours.

c. All baccalaureate degrees require a minimum of 45 hours of upper-level credit hours, except for the BAAS Business Management (42 credit hours) and BSN Nursing (30 credit hours) programs.

5. SPECIAL CONSIDERATIONS
   a. A student may count not more than 6 hours of physical education credits toward their degree.

Holds on Registration and Release of Records

The University reserves the right to place holds on student records when obligations to the University have not been met. Obligations may include, but are not limited to, academic advising, outstanding account balances, incomplete admissions documentation, library fines, parking fines, etc.

Holds may restrict a student’s ability to register for courses, obtain transcripts, obtain a diploma, and/or other university-related activities. A listing of all current holds and applicable restrictions can be found on the Office of the Registrar’s (https://www.tamuct.edu/departments/registrar) webpage.

Drops and Withdrawals

Dropping a Course

A course drop occurs when a student notifies the institution they wish to cease enrollment in one or more courses while remaining enrolled in at least one course at the institution during the same semester. A student who wishes to drop a course(s) must submit a completed Drop Request Form to the Office of the Registrar. The effective course drop date is the date the form is received by the Office of the Registrar. A student who drops a course(s) after census date and on or prior to the last date to drop course(s) will receive a grade of Q. A student who ceases participation in a course(s) but fails to officially drop prior to the last date to drop a course will be assigned a grade by the instructor of record. The official census date and the last date to withdraw with a W are listed in the chart below and are available on the university calendar.

Pre-Defined Table Census Chart

<table>
<thead>
<tr>
<th>Length of Course in Weeks</th>
<th>Official Census Date</th>
<th>Last Date to Drop or Withdraw with a &quot;Q&quot; or &quot;W&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 weeks</td>
<td>Second class day</td>
<td>Friday of second week</td>
</tr>
<tr>
<td>4 or 5 week</td>
<td>Fourth class day</td>
<td>Friday of third week</td>
</tr>
<tr>
<td>6, 7, or 8 weeks</td>
<td>Sixth class day</td>
<td>Friday of fourth week</td>
</tr>
<tr>
<td>9, 10, or 11 weeks</td>
<td>Seventh class day</td>
<td>Friday of seventh week</td>
</tr>
<tr>
<td>12, 13, or 14 weeks</td>
<td>Ninth class day</td>
<td>Friday of tenth week</td>
</tr>
<tr>
<td>15 - 16 weeks</td>
<td>Twelfth class day</td>
<td>Friday of eleventh week</td>
</tr>
</tbody>
</table>

Restricted Activities Period

A restricted activities period is enforced each long semester, beginning prior to the start of final examinations and continuing through the last day of final examinations. During the restricted activities period, no examinations may be administered other than finals, no major assignments may be due, and no student activities may be held. Dates for the restricted activities period are published in the university calendar.

Scholastic Honors

Eligibility for Honors Graduation

Institutional honors are awarded only for A&M-Central Texas coursework. To be eligible for honors graduation, a student must complete no fewer than 45 hours at A&M-Central Texas. Individuals earning degrees with fewer than 45 hours from A&M-Central Texas must meet the following criteria based on all credits for their degree plan, including core courses taken at other institutions (i.e. Bachelors of Applied Arts and Sciences (BAAS), and Bachelors of Science in Nursing (BSN)).

Honors graduates will be recognized as follows:

- 3.90 - 4.00 GPA - Summa Cum Laude (Highest Honors)
- 3.70 - 3.89 GPA - Magna Cum Laude (High Honors)
- 3.60 - 3.69 GPA - Cum Laude (Honors)

Scholastic recognition for outstanding baccalaureate candidates will be announced as the student crosses the stage.

Announcement of honors during commencement does not ensure the student will be awarded institutional honors on the diploma. Students must achieve the above-defined GPA after all final grades are posted for the semester in which the student is graduating.

Graduate students are not eligible for institutional honors.

Student Classifications

Undergraduate students are classified on the basis of semester hours earned. The following classification scale applies to all students regardless of enrollment date:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Semester Credit Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-29</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89</td>
</tr>
</tbody>
</table>
### Tuition Rebate

Certain undergraduate students who meet all of the state mandated requirements may be entitled to a $1,000 tuition rebate upon completion of their first baccalaureate degree. A student may apply for the tuition rebate by submitting a completed Tuition Rebate form (https://www.tamuct.edu/registrar/docs/TuitionRebate.pdf) to the Office of the Registrar PRIOR to the application deadline as published in the academic calendar. Students will not be able to apply for the tuition rebate until a graduation application has been submitted. Detailed information regarding requirements to qualify for the tuition rebate can be found at the College for All Texans website (http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?id=447). The amount of tuition to be rebated to students under this program will be based on state guidelines. If a student entitled to a rebate has an outstanding balance owed to the University or to student loans, the University shall apply the amount of the rebate to the balances owed. If the amount of the rebate exceeds the amount of the indebtedness, the University shall pay the student the excess amount. Additional information is available from the Office of the Registrar.
A&M-Central Texas is an upper-division institution offering bachelor’s and master’s degrees. As an upper-division institution, all matriculating undergraduate students possess a minimum of 30 earned semester credits and meet other criteria as designated by the University. The mission of the Division of Enrollment Management is to effectively recruit, enroll, and retain a diverse student body at A&M-Central Texas.

Undergraduate Admission Requirements

Undergraduate students who meet the following general admission requirements at the time of application are assured admission to Texas A&M University-Central Texas:

- Minimum 2.0 cumulative transfer GPA on a 4.0 scale;
- Minimum 30 academic, college-level transferable semester hours; and
- Must be eligible to return to all previously attended colleges or universities.

How to Apply

- Complete the undergraduate application by visiting www.applytexas.org (http://www.applytexas.org);
- Pay the $30 non-refundable application fee via your electronic application or pay by cash, check, money order, or credit card in the Business Office; and
- Provide official copies of transcript(s) from each previously attended college or university.

Program Entry Requirements

Some undergraduate degree programs at Texas A&M University-Central Texas have additional entry requirements separate from general admission. Students admitted to the university who have yet to be formally admitted to one of these programs may be eligible to enroll in certain coursework; however, the number of courses a student may complete prior to official program entry may vary by department. Students are not considered eligible to graduate until they fulfill the entry requirements and upper-level courses required by the department.

If you plan to pursue one of the below degree programs, be sure to review additional program entry requirements. For additional information regarding undergraduate degree programs offered at A&M-Central Texas, please see Undergraduate Programs. (p. 39)

Social Work

Students will be admitted into the Social Work major by the faculty once the application criteria are met. To be accepted into the BSW Program, students must:

- Complete the three Foundation Level sequence courses;
- Have an overall GPA of 2.5 or higher;
- Have a "C" or better in all social work courses;
- Attend the New Social Work Student Orientation (held the first Friday of every semester), at which time they receive and review the BSW Program Student Handbook and appropriate forms for completion;
- Demonstrate the ability to attain high academic and professional standards as outlined in the BSW Program Student Handbook, which includes:
  - having scores of 3 or higher on the Rubric for Assessing Professional Behaviors (RAPB—see Appendix E) or demonstrating the ability to attain scores of 3 or higher throughout the program;
  - being willing to discuss with faculty any legal or other concerns that may impede a student’s successful placement at a field agency (such as a legal or criminal background) and, if necessary, complete a Corrective Action Agreement (see the BSW Program Field Instruction Manual for more information on field admission procedures).

Once students demonstrate eligibility to apply to the major, they compile all components for submission as outlined in the application procedures. The BSW Program Student Handbook, located on the Social Work website, is a good information resource. Students have the ability to work with the Social Work Program’s administrative assistant to ensure all documents are submitted appropriately.

Nursing

Students will be admitted into the Nursing major by the faculty once the application criteria are met. To be accepted into the Nursing Program, students must:

- Have a current Texas license to practice Registered Nursing;
- Have an overall GPA of 2.0 or higher; and
- Have a "C" or higher in the general education and support science courses

Biology

Students will be admitted into the Biology major by the faculty once the application criteria are met. To be accepted into the Biology program, students must:

- Have an overall GPA of 2.75 or higher.

Other Requirements

While programs that contain Teacher Certification Preparation courses do not have any additional entry requirements, there are specific requirements students will need to complete before entering into the Certification Preparation portion of these degrees. For further information on these requirements review the specific program pages or contact Educator Preparation services.

Admission Deadlines and Application Fee

Admission Priority Dates and Deadlines

Prospective undergraduate students are encouraged to apply for admission as early as possible. Application for admission, official transcripts, and all other requested documentation must be received by the below deadlines. Adhering to the priority deadlines will ensure an admission decision will be rendered before the beginning of the semester.
and will provide the student an opportunity to register for all available courses within the semester of entry.

Because A&M University-Central Texas offers a variety of course scheduling options, applications for admission are accepted through the middle of each semester. Each long semester (i.e., Fall and Spring) consists of three parts of term: a session of 16-week courses and two 8-week sessions of courses (one of which begins in the middle of the semester). Therefore, students who apply and/or receive notice of admission after the priority deadline can still enroll in the second 8-week courses.

Fall 2017

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Application Availability</th>
<th>Admission Priority Date</th>
<th>Admission Deadline</th>
</tr>
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<tbody>
<tr>
<td>Transfer</td>
<td>October 25, 2016</td>
<td>August 14, 2017</td>
<td>October 13, 2017</td>
</tr>
<tr>
<td>Returning (Readmit)</td>
<td>October 25, 2016</td>
<td>August 14, 2017</td>
<td>October 13, 2017</td>
</tr>
<tr>
<td>Transient</td>
<td>October 25, 2016</td>
<td>August 14, 2017</td>
<td>October 13, 2017</td>
</tr>
<tr>
<td>International Transfer</td>
<td>October 25, 2016</td>
<td>June 29, 2017</td>
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</table>

Spring 2018

<table>
<thead>
<tr>
<th>Student Type</th>
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<tbody>
<tr>
<td>Transfer</td>
<td>March 20, 2017</td>
<td>January 2, 2018</td>
<td>March 9, 2018</td>
</tr>
<tr>
<td>Returning (Readmit)</td>
<td>March 20, 2017</td>
<td>January 2, 2018</td>
<td>March 9, 2018</td>
</tr>
<tr>
<td>Transient</td>
<td>March 20, 2017</td>
<td>January 2, 2018</td>
<td>March 9, 2018</td>
</tr>
<tr>
<td>International Transfer</td>
<td>March 20, 2017</td>
<td>November 17, 2017</td>
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Summer 2018

<table>
<thead>
<tr>
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<td>August 1, 2017</td>
<td>May 21, 2018</td>
<td>June 29, 2018</td>
</tr>
<tr>
<td>Transient</td>
<td>August 1, 2017</td>
<td>May 21, 2018</td>
<td>June 29, 2018</td>
</tr>
<tr>
<td>International Transfer</td>
<td>August 1, 2017</td>
<td>April 5, 2018</td>
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</tr>
</tbody>
</table>

Please Note: Summer typically consists of four parts of term: a session of 10-week courses, a session of 8-week courses, and two 5-week sessions of courses (one of which begins in the middle of the semester).

Application Fee

Undergraduate students applying for admission to A&M-Central Texas are required to pay a non-refundable application processing fee of $30. The application fee must be paid at the time of application (credit card payment via applytexas.org). Additional payment options include payment by cash, check, money order, or credit card to the Business Office. A&M-Central Texas does not grant fee waivers for the application fee.

Please Note: It is the responsibility of the applicant to confirm availability of desired courses or programs prior to submitting the non-refundable application fee.

Undergraduate Categories of Admission

Full Admission

Students who meet all undergraduate admission requirements at the time of application (minimum of 30 academic college-level transferable semester hours, minimum 2.0 cumulative transfer GPA, and eligible to return to all previously attended institutions) are granted full admission.

Non-Degree Seeking Admission

Non-degree seeking admission is available to applicants who do not plan to seek a degree from A&M-Central Texas, but intend to attend for more than one semester (non-degree seeking statement required). Applicants must meet the general admission requirements and, if admitted, are not eligible for financial assistance.

Transient Admission

A student who is attending another college or university and seeks to enroll at A&M-Central Texas (Transient Student Contract required) for one semester only does so under transient admission. Students must complete an ApplyTexas Application (for transient admission) and submit an official transcript from their current institution of enrollment. The applicant must be in good academic standing at the current institution of enrollment and, if admitted, is not eligible for financial assistance. Transient admission is typically restricted to summer or one long semester, and students must reapply each semester. Students admitted as transient students who later wish to pursue a degree at A&M-Central Texas may do so; however, they must complete the regular admission process and meet all general admission requirements.

Post-Baccalaureate Admission

Students who have a prior bachelor’s degree from an accredited U.S. institution and are eligible to return to all previously attended institutions may seek post-baccalaureate admission. Post-baccalaureate students may work on a subsequent bachelor’s degree or teaching certification. To be considered for post-baccalaureate admission, students must complete an ApplyTexas application and submit an official transcript from all previously attended institutions. Applicants must meet general admission requirements. Note: Undergraduate academic standards apply to post-baccalaureate students.

Official College Transcripts

An official transcript is required from every post-secondary institution attended, even if the applicant did not earn credit or receive a course grade from the institution, or the course is not transferable. Coursework from one college posted on the transcript of another college will not satisfy this requirement. For readmission to A&M-Central Texas, only those transcripts from institutions attended since the last enrollment at A&M-Central Texas are required.

A&M-Central Texas requires that all GI Bill students submit military AND academic transcripts for evaluation of credit. Faxed copies are not considered to be official transcripts; however, electronic transcripts are considered official transcripts. Check with sending/receiving institutions.
for availability. Electronic transcripts take 24 to 48 hours to be received from sending school.

**Foreign transcript evaluation**

Official foreign transcripts must be translated and evaluated by an accredited foreign credentials evaluation service. Students applying for admission who have attended a college or university outside of the United States must submit a course-by-course evaluation from an accredited foreign credentials evaluation service. Check with Undergraduate Admissions for information regarding university-approved evaluation agencies.

**Immunizations**

**Requirements (for students enrolling in health-related courses)**

Students enrolling in health-related courses that involve direct patient contact (nursing) must meet the following immunization criteria:

- **Measles** - Persons born since January 1, 1957, must have two doses since 12 months of age, with the doses coming at least 30 days apart.
- **Mumps** - Persons born since January 1, 1957, must have at least one dose since 12 months of age.
- **Rubella** - Must have at least one dose since 12 months of age.
- **Tetanus/Diphtheria** - Must have one dose within the past 10 years.
- **Hepatitis B** - A complete series or proof of immunity is encouraged for any student enrolling in health-related courses that involve direct patient contact, especially with patients’ blood (i.e., nursing). Nursing students are required to take the hepatitis series or sign a waiver.

**MENINGITIS Requirement (for all new transfer students):**

As of January 1, 2012, all new students 21 years old or younger must show evidence of receipt of an initial bacterial meningitis vaccination dose or booster during the five-year period preceding and at least 10 days prior to the first day of the first semester in which the student initially enrolls. The student may contact the Office of Undergraduate Admissions for more details.

**Recommendations (for all students)**

- **Measles** - All students enrolling in institutions of higher education should have two doses of the measles vaccine prior to the start of classes.
- **Meningitis** - Recommended by the Center for Disease Control (CDC).
- **Tetanus/Diphtheria** - Tetanus vaccines are effective for about 10 years and need to be boosted at that interval; they should be given in combination with the diphtheria vaccine.

**Undergraduate Academic Advising**

The mission of the Department of Academic Advising is to support student success by proactively aiding students in successful transfer and completion of their degree requirements. Through collaboration with other university offices and local community colleges, the department promotes admission, persistence, and completion of the program of study. Advisors provide relevant academic information and recommendations related to department, university, and higher education requirements, and they assist students in establishing and completing meaningful educational plans.

Students not yet enrolled at A&M-Central Texas may meet with an academic counselor to discuss how their previous coursework may be transferred and applied to their chosen degree. Prospective students are also eligible for A&M-Central Texas’s transfer program (see below).

All newly admitted and readmitted students are required to meet with an academic counselor—either in person, online, or via telephone—before they will be permitted to enroll in courses. Students may schedule face-to-face or phone appointments with an academic counselor. Students may email ug.advising@tamuct.edu to correspond with an academic counselor.

*All Social Work students should contact the department directly at (254) 519-5406 for any inquiries or to set up an advising appointment.*

Academic counselors are able to assist A&M-Central Texas students with the following:

- Declaration or change of major
- Course substitutions for the general education core
- Graduation applications
- Satisfactory Academic Progress (SAP) appeals (related to financial aid eligibility)
- Consortium Agreements (related to financial aid)
- Degree mapping/course planning
- Class selection
- Grade Point Average (GPA) issues
- The transferability and applicability of courses taken at other institutions
- Other general questions related to academic requirements

**PROSPECTIVE STUDENTS & THE WARRIOR CORPS TRANSFER PROGRAM**

Students admitted to a partnering community college can enroll in the Warrior Corps transfer program. Academic counselors from both the community college and A&M-Central Texas will work with students to prepare a degree plan. Students may “lock in” this degree plan to ensure a seamless transition into A&M-Central Texas, with the assurance that their degree requirements will not change. This degree plan will remain in effect for six academic years. This program allows students to track their progress as they prepare for transfer to A&M-Central Texas and ensures they are only enrolling in transferable courses applicable to their chosen field of study. There are also scholarship opportunities specifically designated for students who enroll in this transfer program. The Warrior Corps program is currently available to all students at Austin Community College, Central Texas College, Temple College, and Texas State Technical College.

**Student Orientation**

**New Student Orientation**

New student orientation is an important part of a student’s transition into the university, as it supports awareness of the support structures and policies at A&M-Central Texas. Beginning Spring 2016, new undergraduate students will be required to complete an online orientation module prior to registering for courses. The orientation can be accessed at http://www.onlineorientation.net/ct-tamus and should
take approximately 45-60 minutes to complete. Please contact the Civic & Student Engagement at 254-519-5496 or cse@tamuct.edu with any questions.

### General Education Core Requirements

All baccalaureate degree programs must include the following university general education requirements: ^1,2

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Communication (010)</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics (020)</td>
<td>3</td>
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<tr>
<td>Life &amp; Physical Sciences (030)</td>
<td>6</td>
</tr>
<tr>
<td>Language, Philosophy &amp; Culture (040)</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts (050)</td>
<td>3</td>
</tr>
<tr>
<td>American History (060)</td>
<td>6</td>
</tr>
<tr>
<td>Government/Political Science (070)</td>
<td>6</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences (080)</td>
<td>3</td>
</tr>
<tr>
<td>Institutionally Designated Option-010-080</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**: 42

**Communication (010)**

**Core Objectives**: critical thinking, communication, teamwork, and personal responsibility

Courses in this category focus on developing ideas and expressing them clearly, considering the effect of the message, fostering understanding, and building the skills needed to communicate persuasively. Courses involve the command of oral, aural, written, and visual literacy skills that enable people to exchange messages appropriate to a given subject, occasion, and audience.

**Mathematics (020)**

**Core Objectives**: critical thinking, communication, empirical/quantitative analysis

Courses in this category focus on quantitative literacy in logic, patterns, and relationships. Courses involve the understanding of key mathematical concepts and the application of appropriate quantitative tools relevant within one's everyday experience.

**Life & Physical Sciences (030)**

**Core Objectives**: critical thinking, communication, empirical/quantitative analysis, and teamwork

Courses in this category focus on describing, explaining, and predicting natural phenomena using scientific methods. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

**Language, Philosophy & Culture (040)**

**Core Objectives**: critical thinking, communication, social responsibility, and personal responsibility

Courses in this category focus on how ideas, values, beliefs, and other aspects of culture express and affect human experience. Courses involve the exploration of ideas that foster aesthetic and intellectual creation in order to understand the human condition across cultures.

**Creative Arts (050)**

**Core Objectives**: critical thinking, communication, teamwork, and social responsibility

Courses in this category focus on the appreciation and analysis of creative artifacts and works of the human imagination. Courses involve the synthesis and interpretation of artistic expression and foster critical, creative, and innovative communication about works of art.

**American History (060)**

**Core Objectives**: critical thinking, communication, teamwork, and social responsibility

Courses in this category focus on the consideration of past events and ideas relative to the United States, with the option of including Texas History for a portion of this component area. Courses involve examining the interactions among individuals, communities, states, the nation, and the world, as well as considering how these interactions have contributed to the development of the United States and its global role.

**Government/Political Science (070)**

**Core Objectives**: critical thinking, communication, teamwork, and social responsibility

Courses in this category focus on consideration of the Constitution of the United States and the constitutions of the states, with special emphasis on that of Texas. Courses involve the analysis of governmental institutions, political behavior, civic engagement, and the political and philosophical foundations of these concepts.

**Social & Behavioral Sciences (080)**

**Core Objectives**: critical thinking, communication, empirical/quantitative analysis, and social responsibility

Courses in this category focus on the application of empirical and scientific methods that contribute to the understanding of what makes us human. Courses involve the exploration of behavior and interactions among individuals, groups, institutions, and events, and the impact of those behaviors and interactions on individuals, society, and culture.

### Core Curriculum Learning Objectives

- **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
- **Communication Skills** - to include effective development, interpretation and expression of ideas through written, oral and visual communication.
- **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
- **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.
- **Personal Responsibility** - to include the ability to connect choices, actions and consequences to ethical decision-making.
General Education Core Requirements

- **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

**Core Curriculum Transfer**

Students who complete all general education requirements as approved by the Texas Higher Education Coordinating Board at another Texas public school and who then transfer to A&M-Central Texas will generally be considered to have met the general education requirements as outlined toward a degree at A&M-Central Texas. However, additional requirements for the degree must be met, possibly requiring students to take one or more courses that are part of the general education requirements at A&M-Central Texas.

1. General education requirements are subject to review and change by the Texas Higher Education Coordinating Board.
2. Some degree programs specify the courses that satisfy these requirements. A student should consult with an academic advisor in selecting general education requirement courses.
3. Visual and performing arts courses must be historical, appreciative, or theoretical in nature; an applied or performance course is not acceptable.

**Communication (010)**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
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<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
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**Mathematics (020)**

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<tr>
<td>MATH 1314/1414</td>
<td>College Algebra</td>
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<tr>
<td>MATH 1316</td>
<td>Plane Trigonometry</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Mathematics for Business &amp; Social Sciences</td>
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<td>MATH 1325/1425</td>
<td>Calculus for Business &amp; Social Sciences</td>
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<tr>
<td>MATH 1332</td>
<td>Contemporary Mathematics</td>
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<tr>
<td>MATH 1342/1442</td>
<td>Elementary Statistical Methods</td>
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<tr>
<td>MATH 2305</td>
<td>Discrete Mathematics</td>
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<td>MATH 2312/2412</td>
<td>Pre-Calculus Math</td>
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<td>MATH 2313/2413</td>
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<td>MATH 2315/2415</td>
<td>Calculus III</td>
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<td>MATH 2318/2418</td>
<td>Linear Algebra</td>
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<tr>
<td>MATH 2320/2420</td>
<td>Differential Equations</td>
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<td>MATH 2321/2421</td>
<td>Differential Equations and Linear Algebra</td>
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<td>PSYC 2317</td>
<td>Statistical Methods in Psychology</td>
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**Life & Physical Science (030)**

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<tbody>
<tr>
<td>AGRI 1107/1307/1407</td>
<td>Agronomy</td>
</tr>
<tr>
<td>AGRI 1115/1315/1415 / HORT 1101/1301/1401</td>
<td>Horticulture</td>
</tr>
<tr>
<td>AGRI 1119/1319/1419</td>
<td>Introductory Animal Science</td>
</tr>
<tr>
<td>ASTR/PHYS 1103/1303/1403</td>
<td>Stars and Galaxies</td>
</tr>
<tr>
<td>ASTR/PHYS 1104/1304/1404</td>
<td>Solar System</td>
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<tr>
<td>BIOL 1106/1306/1406</td>
<td>Biology for Science Majors I</td>
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<tr>
<td>BIOL 1107/1307/1407</td>
<td>Biology for Science Majors II</td>
</tr>
<tr>
<td>BIOL 1108/1308/1408</td>
<td>Biology for Non-Science Majors I</td>
</tr>
<tr>
<td>BIOL 1109/1309/1409</td>
<td>Biology for Non-Science Majors II</td>
</tr>
<tr>
<td>BIOL 1111/1311/1411</td>
<td>General Botany</td>
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<tr>
<td>BIOL 1113/1313/1413</td>
<td>General Zoology</td>
</tr>
<tr>
<td>BIOL 2101/2301/2401</td>
<td>Anatomy &amp; Physiology I</td>
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<td>BIOL 2102/2302/2402</td>
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<td>BIOL 2106/2306/2406</td>
<td>Environmental Biology</td>
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<tr>
<td>BIOL 2116/2316/2416</td>
<td>Genetics</td>
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<td>BIOL 2120/2320/2420</td>
<td>Microbiology for Non-Science Majors Laboratory</td>
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<td>BIOL 2121/2321/2421</td>
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<tr>
<td>CHEM 1106/1306/1406</td>
<td>Introductory Chemistry I (allied health emphasis)</td>
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<td>CHEM 1107/1307/1407</td>
<td>Introductory Chemistry II</td>
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<tr>
<td>CHEM 1111/1311/1411</td>
<td>General Chemistry I</td>
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<td>CHEM 1112/1312/1412</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM 2123/2323/2423</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 2125/2325/2425</td>
<td>Organic Chemistry II</td>
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<td>ENGR 2301/2401</td>
<td>Engineering Mechanics I - Statics</td>
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<tr>
<td>ENGR 2302/2402</td>
<td>Engineering Mechanics II - Dynamics</td>
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<td>ENGR 2303/2403</td>
<td>Engineering Mechanics - Statics &amp; Dynamics</td>
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<td>ENGR 2334</td>
<td>Chemical Engineering Thermodynamics I</td>
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<td>ENVR 1101/1301/1401 / GEOL 1105/1305/1405</td>
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<td>Earth Sciences for Non-Science Majors II</td>
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<td>GEOL 1145/1345/1445</td>
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<td>GEOL 1147/1347/1447</td>
<td>Meteorology</td>
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<td>PHYS 1101/1301/1401</td>
<td>College Physics I</td>
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<td>PHYS 1102/1302/1402</td>
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<td>University Physics I</td>
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<tr>
<td>PHYS 2126/2326/2426</td>
<td>University Physics II</td>
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**Language, Philosophy & Culture (040)**

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<tr>
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<td>Introduction to Archeology</td>
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<td>ANTH 2346</td>
<td>General Anthropology</td>
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<td>Course Title</td>
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<tr>
<td>---------------</td>
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</tr>
<tr>
<td>ANTH 2351</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>ARAB 1411</td>
<td>Beginning Arabic I</td>
</tr>
<tr>
<td>ARAB 1412</td>
<td>Beginning Arabic II</td>
</tr>
<tr>
<td>ARAB 2311</td>
<td>Intermediate Arabic I</td>
</tr>
<tr>
<td>ARAB 2312</td>
<td>Intermediate Arabic II</td>
</tr>
<tr>
<td>CHIN 1411</td>
<td>Beginning Chinese I</td>
</tr>
<tr>
<td>CHIN 1412</td>
<td>Beginning Chinese II</td>
</tr>
<tr>
<td>CHIN 2311</td>
<td>Intermediate Chinese I</td>
</tr>
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**Creative Arts (050)**

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Program Designated Option (090)

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<tr>
<td>PHED 1338</td>
<td>Concepts of Physical Fitness</td>
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<tr>
<td>PHED 1346</td>
<td>Drug Use &amp; Abuse</td>
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<tr>
<td>PHED 2356</td>
<td>Care and Prevention of Athletic Injuries</td>
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<tr>
<td>PSYC 1300/ EDUC 1300</td>
<td>Learning Framework</td>
</tr>
<tr>
<td>SGNL 1301/ 1401</td>
<td>Beginning American Sign Language I</td>
</tr>
<tr>
<td>SGNL 1302/ 1402</td>
<td>Beginning American Sign Language II</td>
</tr>
<tr>
<td>SPCH 1311</td>
<td>Introduction to Speech Communication</td>
</tr>
<tr>
<td>SPCH 1315</td>
<td>Public Speaking</td>
</tr>
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<td>SPCH 1318</td>
<td>Interpersonal Communication</td>
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<td>SPCH 1321</td>
<td>Business &amp; Professional Communication</td>
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<td>SPCH 1342</td>
<td>Voice &amp; Diction</td>
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<td>SPCH 2333</td>
<td>Discussion &amp; Small Group Communication</td>
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<td>SPCH 2335</td>
<td>Argumentation &amp; Debate</td>
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<tr>
<td>SPCH 2341</td>
<td>Oral Interpretation</td>
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<td>TECA 1311</td>
<td>Educating Young Children</td>
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<tr>
<td>TECA 1318</td>
<td>Wellness of the Young Child</td>
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</tbody>
</table>

Texas Success Initiative (TSI)

The Texas Education Code § 51.3062, Success Initiative, effective September 1, 2003, requires the University to assess the academic skills of each entering undergraduate student to determine the student’s readiness to enroll in freshman-level academic coursework. The fee for the completion of the assessment instrument will be paid by the student. Unless exempt (see below), the Texas Higher Education Coordinating Board requires that, prior to enrollment, each student must be assessed in three skill areas (reading, writing, and mathematics) by taking the TSI examination and achieving the following scores:

- Math: College Ready if ≥ 350
- Reading: College Ready if ≥ 351
- Writing: Placement score of at least 340 and an essay score of at least 4; or, a placement score of less than 340, and an ABE Diagnostic level of at least 4, and an essay score of at least 5

TSI Exemptions

The following students shall be either fully exempt, partially exempt, or temporarily exempt/waived from the requirements of the TSI:

1. Full Exemption. The following students are exempt from the requirements of the TSI:
   a. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards:
i. ACT: composite score of 23 with a minimum of 19 on both the English and mathematics tests.

ii. SAT: a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the critical reading test shall be exempt for both reading and writing sections of the TSI Assessment, and/or 500 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment, (administered prior to March 2016).

b. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards:
   i. On the Eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall be exempt from the TSI Assessment required under this title for those corresponding sections; or
   ii. STAAR end-of-course (EOC) with a minimum score of Level 2 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

c. STAAR end-of-course (EOC) with a minimum score of Level 2 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

d. A student who has graduated with an associate or baccalaureate degree from a Texas public institution of higher education.

e. A student who has graduated with an associate degree from a regionally accredited private, independent, or out-of-state institution of higher education and who has satisfactorily completed appropriate college-level coursework as determined by the University.

f. A student who transfers to A&M-Central Texas from a regionally accredited private, independent, or out-of-state institution of higher education and who has satisfactorily completed college-level coursework in (a) mathematics, (b) writing, and (c) reading as indicated in Section 8 of the TSI Plan.

g. A student who has previously attended any Texas public institution of higher education and met TSI readiness standards by that institution in mathematics.

h. A student who on or after August 1, 1990, was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or served as a member of a reserve component of the armed forces of the United States.

i. A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three (3) years preceding enrollment.

j. A non-degree seeking student; however, if a student later becomes degree-seeking, he or she will be required to meet TSI standards.

2. Partial Exemption. The following students are exempt from one or more of the requirements of the TSI:
   a. Exempt from the mathematics requirements of the TSI:
      i. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards on a single administration of the test:
         • ACT: composite score of 23 with a minimum of 19 on mathematics test.
         • SAT: a combined critical reading and mathematics score of 1070 with a minimum of 500 on mathematics test (SAT administered prior to March 2016).
         • SAT: a minimum score of 530 on mathematics test (SAT administered March 2016 and after).
   b. Exempt from the reading requirements of the TSI:
      i. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards on a single administration of the test:
      ii. For a period of three (3) years from the date of testing, a student who is tested and performs on the eleventh grade exit-level TAKS with a minimum scale score of 2200 on the math section.
   c. Exempt from the writing requirements of the TSI:
      i. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards on a single administration of the test:
      • ACT: composite score of 23 with a minimum of 19 on English test.
      • SAT: a combined critical reading and mathematics score of 1070 with a minimum of 500 on critical reading test (SAT administered prior to March 2016).
      • SAT: a minimum score of 480 on Evidenced-Based Reading and Writing (EBRW) test (SAT administered March 2016 and after).
   d. For a period of three (3) years from the date of testing, a student who is tested and performs on the eleventh grade exit-level TAKS with a minimum scale score of 2200 on the English/Language Arts (ELA) section with a writing subsection score of at least 3.
   e. A student who transfers to A&M-Central Texas from a regionally accredited private, independent, or out-of-state institution of higher education and who has satisfactorily completed college-level coursework in writing, as indicated in Section 8 of the TSI Plan.
   f. A student who has previously attended any Texas public institution of higher education and met TSI readiness standards by that institution in writing.

b. Exempt from the reading requirements of the TSI:
   i. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards on a single administration of the test:
   • ACT: composite score of 23 with a minimum of 19 on English test.
   • SAT: a combined critical reading and mathematics score of 1070 with a minimum of 500 on critical reading test (SAT administered prior to March 2016).
• SAT: a minimum score of 480 on Evidenced-Based Reading and Writing (EBRW) test (SAT administered March 2016 and after).

ii For a period of three (3) years from the date of testing, a student who is tested and performs on the Eleventh grade exit-level TAKS with a minimum scale score of 2200 on the English/Language Arts (ELA) section with a writing subsection score of at least 3.

iii A student who transfers to A&M-Central Texas from a regionally accredited private, independent, or out-of-state institution of higher education and who has satisfactorily completed college-level coursework in reading, as indicated in Section 8 of the TSI Plan.

iv A student who has previously attended any Texas public institution of higher education and met TSI readiness standards by that institution in reading.

6. Some of the TSI exemptions for enrollment in A&M-Central Texas are not accepted by the Teacher Education Council for admission to the Teacher Education Program. Please contact the A&M-Central Texas Education Preparation Services at (254) 519-5791 for additional information.

TSI assessment results and/or proof of exemption must be submitted to Undergraduate Admissions before a student will be allowed to register for classes. To verify that your assessment results and/or proof of exemption have been received by A&M-Central Texas, contact Undergraduate Admissions at 254. 519.5438.

Transfer Credit and Evaluation

The Office of Undergraduate Admissions reviews all credit recorded on the transfer institution’s transcripts and makes the initial determination of course transferability. The acceptance of transfer credit is based on the evaluation of course content, level, quality, comparability, and degree applicability. A&M-Central Texas considers academic collegiate-level coursework from regionally-accredited institutions. Coursework completed at non-regionally accredited institutions, including foreign institutions, may also be considered and is evaluated on an individual basis in consultation with the appropriate academic departments at A&M-Central Texas.

While all credit recorded on a transfer institution’s transcripts will be evaluated, only transferable coursework is recorded to the A&M-Central Texas transcript. All transferable coursework is matched to an equivalent A&M-Central Texas course prefix and number. When a direct A&M-Central Texas equivalent does not exist (unmatched course), transferable coursework is recorded as an elective within the appropriate academic discipline. Such courses may be applied to the student’s degree with advisor approval.

Courses transfer on the same level the original course was taught with the corresponding grades and number of hours earned at the other institution (quarter hours will be converted to semester hours). If the course is determined to be transferable, then the grade earned is also transferable. Grades of D and F are transferable. A minimum grade of D is required to satisfy degree requirements, except for academic programs that specify a higher minimum grade.

To determine admissibility, the transfer GPA calculation includes all attempted transferable hours. However, when a course is repeated at the same transfer institution, only the best effort is computed in the GPA calculation. Remedial/developmental grades are nontransferable and are not used for admission purposes. Workforce education (also known as occupational, vocational, or technical) courses are not designed for transfer into university curricula and, with only a few exceptions, are nontransferable to A&M-Central Texas.

Texas Common Course Numbering System

As outlined in Texas Education Code 61.832, the Texas Common Course Numbering System (TC CNS) facilitates the transfer of general academic courses between Texas public institutions. Common courses are included in the Academic Course Guide Manual, published by the Texas Higher Education Coordinating Board. The purpose of the system is to assist students who are transferring between participating institutions. If you have questions regarding transferability of courses, please contact Undergraduate Admissions at 254-519-5438.

If A&M-Central Texas does not accept lower-division academic course credit earned by a student at another public institution of higher education in Texas, A&M-Central Texas gives written notice to the student and the other institution that the transfer of course credit is denied. The two institutions and the student shall attempt to resolve any dispute regarding the transfer of the course credit in accordance with Texas Higher Education Coordinating Board guidelines. If the dispute is not resolved to the satisfaction of the student and the institution from which the credit was earned, the student may file a Transfer Dispute Resolution form (CB-TDR) with A&M-Central Texas. This must be submitted within 15 days of the date the student receives written notification of the denial of credit. A&M-Central Texas will forward a copy of the CB-TDR to the Commissioner of Higher Education, who will resolve the dispute. In this instance, the Commissioner gives written notice to the student and institutions involved.

Academic Fresh Start

Texas Senate Bill 1321 entitles residents of the state of Texas to seek admission to public institutions of higher education without consideration of courses taken ten or more years prior to enrollment. Under this bill, a student can request that all coursework taken ten or more years prior to the planned enrollment be ignored for admission purposes.

Applicants who elect to apply for admission under this law, and who are admitted as students, will not receive any course credit for courses undertaken ten or more years prior to enrollment. Either all credit hours from ten or more years prior to enrollment are ignored or all are counted for admission purposes. Applicants interested in seeking an Academic Fresh Start should contact Undergraduate Admissions at the time of application and prior to an admission decision being made.

Please Note: Academic Fresh Start is tied to the admission process and may only be requested at the time of admission. Academic Fresh Start is irrevocable. Prerequisite courses ignored under Academic Fresh Start need to be retaken.

Credit by Examination

Undergraduate students at A&M-Central Texas may be awarded course credit for specified levels of achievement on institutionally approved, standardized examination programs, such as Advanced Placement (AP),...
Credit by Examination

College Level Examination Program (CLEP), ACT/SAT subject tests, and International Baccalaureate (IB) degree. Undergraduate students who meet the required minimum credit-granting score(s) (see below) will be assigned a letter grade of P (pass) for the corresponding course equivalent(s).

- It is the student’s responsibility to request and/or submit official score reports to Undergraduate Admissions.
- Credit by examination cannot be assigned a letter grade and is not counted in grade point average (GPA) calculations or for residency and honors purposes.
- Only lower-level course credit may be awarded.
- No more than 60 credits by examination may be applied to an undergraduate degree.
- Challenge examination credit granted by other institutions will not transfer to A&M-Central Texas.
- For additional information regarding applicability of these tests to specific degree programs, students should contact an academic advisor.

Undergraduate students who demonstrate superior achievement on DANTES Subject Standardized Tests (DSST), Excelsior College Examinations (UExcel), and the Defense Language Proficiency Test (DLPT) may also be considered for credit eligibility. Eligibility will be reviewed on a case-by-case basis. For more information, please contact Undergraduate Admissions.

Advanced Placement (AP)

The Advanced Placement program was created in cooperation with college and high school staff and faculty. The examination reflects mastery of the material generally agreed upon to be appropriate for introductory coursework at the college level. The tables below display the AP examinations that may be accepted for lower-division credit, the credit hours granted, and the equivalent course(s).

Arts

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3</td>
<td>6</td>
<td>ARTS 1303; ARTS 1304</td>
</tr>
<tr>
<td>Music Theory</td>
<td>3</td>
<td>6</td>
<td>MUSI 1311; MUSI 1312</td>
</tr>
<tr>
<td>Studio Art 2-D Design</td>
<td>3</td>
<td>3</td>
<td>ARTS 1311</td>
</tr>
<tr>
<td>Studio Art 3-D Design</td>
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<td>ARTS 1312</td>
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<tr>
<td>Studio Art: Drawing</td>
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English

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<tr>
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<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>English Language 3 and Composition</td>
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<td>6</td>
<td>ENGL 1301; ENGL 1302</td>
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History & Social Sciences

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<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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</thead>
<tbody>
<tr>
<td>Comparative Government and Politics</td>
<td>3</td>
<td>3</td>
<td>GOVT 2304</td>
</tr>
<tr>
<td>European History</td>
<td>3</td>
<td>3</td>
<td>HIST 2311; HIST 2312</td>
</tr>
<tr>
<td>Human Geography</td>
<td>3</td>
<td>3</td>
<td>GEOG 1302</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>3</td>
<td>3</td>
<td>ECON 2301</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>3</td>
<td>3</td>
<td>ECON 2302</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
<td>3</td>
<td>PSYC 2301</td>
</tr>
<tr>
<td>United States Government and Politics</td>
<td>3</td>
<td>3</td>
<td>GOVT 2305</td>
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<tr>
<td>United States History</td>
<td>3</td>
<td>6</td>
<td>HIST 1301; HIST 1302</td>
</tr>
<tr>
<td>World History</td>
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<td>HIST 2321; HIST 2322</td>
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Math & Computer Science

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<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
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<td>Calculus BC</td>
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<td>MATH 2413; MATH 2414</td>
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<tr>
<td>Computer Science A</td>
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<td>3</td>
<td>COSC 1309</td>
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<tr>
<td>Computer Science Principles</td>
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<td>3</td>
<td>COSC 1301</td>
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<tr>
<td>Statistics</td>
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Sciences

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<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
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<td>Biology</td>
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<td>BIOL 1406; BIOL 1407</td>
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<td>Chemistry</td>
<td>3</td>
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<td>CHEM 1411; CHEM 1412</td>
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<td>Environmental Science</td>
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<td>4</td>
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<td>Physics C: Electricity and Magnetism</td>
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<td>Physics 1: Algebra-Based</td>
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<td>Physics 2: Algebra-Based</td>
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</table>

Advanced Placement (AP)

The Advanced Placement program was created in cooperation with college and high school staff and faculty. The examination reflects mastery of the material generally agreed upon to be appropriate for introductory coursework at the college level. The tables below display the AP examinations that may be accepted for lower-division credit, the credit hours granted, and the equivalent course(s).
### World Languages & Cultures

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
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<tr>
<td>French Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>FREN 1411; FREN 1412</td>
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<tr>
<td>German Languages &amp; Culture</td>
<td>3</td>
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<td>GERM 1411; GERM 1412</td>
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<tr>
<td>Italian Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>ITAL 1411; ITAL 1412</td>
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<tr>
<td>Japanese Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>JAPN 1411; JAPN 1412</td>
</tr>
<tr>
<td>Latin</td>
<td>3</td>
<td>8</td>
<td>LATI 1411; LATI 1412</td>
</tr>
<tr>
<td>Spanish Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>SPAN 1411; SPAN 1412</td>
</tr>
<tr>
<td>Spanish Literature &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>SPAN 2411; SPAN 2412</td>
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</table>

### History & Social Science

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>American Government</td>
<td>50</td>
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<tr>
<td>History of the United States I</td>
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<td>History of the United States II</td>
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<td>HIST 1302</td>
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<td>Human Growth and Development</td>
<td>50</td>
<td>3</td>
<td>PSYC 2314</td>
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<tr>
<td>Introduction to Education Psychology</td>
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<tr>
<td>Introductory Psychology</td>
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<td>SOCI 1301</td>
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<tr>
<td>Introductory Sociology</td>
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<td>ECON 2301</td>
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<tr>
<td>Principles of Macroeconomics</td>
<td>50</td>
<td>3</td>
<td>ECON 2302</td>
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<td>Principles of Microeconomics</td>
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<tr>
<td>Social Sciences and History</td>
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<td>Lower Level Elective(s)</td>
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<tr>
<td>Western Civilization I</td>
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<tr>
<td>Western Civilization II</td>
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### Business

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<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>Financial Accounting</td>
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<td>ACCT 2301</td>
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<td>Information Systems</td>
<td>50</td>
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<td>BCIS 1301</td>
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<tr>
<td>Introductory Business Law</td>
<td>50</td>
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<td>BUSI 2301</td>
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<tr>
<td>Principles of Management</td>
<td>50</td>
<td>3</td>
<td>Lower Level Business Elective</td>
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<tr>
<td>Principles of Marketing</td>
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<td>3</td>
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### Composition & Literature

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>American Literature</td>
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### Analyzing and Interpreting Literature

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>College Composition</td>
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<td>ENGL 1301; ENGL 1302</td>
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<td>College Composition Modular</td>
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<td>3</td>
<td>Lower Level English Elective</td>
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<tr>
<td>English Literature</td>
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<td>ENGL 2343</td>
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<td>Humanities</td>
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### Science & Mathematics

<table>
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<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
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<tbody>
<tr>
<td>Biology</td>
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<td>BIOL 1306; BIOL 1307</td>
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<td>Calculus</td>
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<td>4</td>
<td>MATH 2413</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>6</td>
<td>CHEM 1311; CHEM 1312</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>3</td>
<td>MATH 1314</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50</td>
<td>6</td>
<td>MATH 1332; Lower Level Math Elective</td>
</tr>
<tr>
<td>Natural Science</td>
<td>50</td>
<td>6</td>
<td>PHYS 1315; PHYS 1317</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>50</td>
<td>3</td>
<td>MATH 2312</td>
</tr>
</tbody>
</table>
## World Languages

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>French Language</td>
<td>50</td>
<td>6</td>
<td>FREN 1311; FREN 1312</td>
</tr>
<tr>
<td>Level 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French Language</td>
<td>59</td>
<td>9</td>
<td>FREN 1311; FREN 1312; FREN 2311</td>
</tr>
<tr>
<td>Level 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>German Language</td>
<td>50</td>
<td>6</td>
<td>GERM 1311; GERM 1312</td>
</tr>
<tr>
<td>Level 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>German Language</td>
<td>60</td>
<td>9</td>
<td>GERM 1311; GERM 1312; GERM 2311</td>
</tr>
<tr>
<td>Level 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish Language</td>
<td>50</td>
<td>6</td>
<td>SPAN 1311; SPAN 1312</td>
</tr>
<tr>
<td>Level 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spanish Language</td>
<td>63</td>
<td>9</td>
<td>SPAN 1311; SPAN 1312; SPAN 2311</td>
</tr>
<tr>
<td>Level 2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ACT/SAT Subject Tests

Course credit may be awarded to students who score high on the ACT/SAT subject tests listed below.

## ACT/SAT Subject Test Credit and Course Equivalency Guide

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT Subject Test</td>
<td>28</td>
<td>3</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>- English</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAT Subject Test</td>
<td>620</td>
<td>3</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>- English (Prior to March 2016)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAT Subject Test</td>
<td>480</td>
<td>3</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>- English (March 2016 and forward)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACT Subject Test</td>
<td>24</td>
<td>3</td>
<td>MATH 1314</td>
</tr>
<tr>
<td>- Math</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAT Subject Test</td>
<td>560</td>
<td>3</td>
<td>MATH 1314</td>
</tr>
<tr>
<td>- Math (Prior to March 2016)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAT Subject Test</td>
<td>530</td>
<td>3</td>
<td>MATH 1314</td>
</tr>
<tr>
<td>- Math (March 2016 and forward)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### International Baccalaureate (IB)

In compliance with SB111, A&M-Central Texas offers at least 24 hours of credit to all IB diploma candidates with subject exam scores of 4 or higher. Students with IB certificates or courses are evaluated on a subject-by-subject basis upon receipt of an IB transcript.

## IB Credit and Course Equivalency Guide

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Min. Score Required</th>
<th>Semester Credit Hours</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology SL</td>
<td>4+</td>
<td>4</td>
<td>BIOL 1406</td>
</tr>
</tbody>
</table>

### Military Transcripts and Credit Evaluation

A&M-Central Texas awards evaluated credit for military education and learning experiences at the request of the student. An evaluated educational plan will be provided within 60 days after admission and the receipt of all official transcripts (including the Joint Services Transcript or Community College of the Air Force Transcript). The military credit evaluation process is initiated at the time the University receives the Joint Services Transcript or Community College of the Air Force Transcript.

### Military Service Credit

An institution of higher education shall award to an undergraduate student who is admitted to the institution, including a student who is readmitted under Section 51.3042, course credit for all physical education courses required by the intuition (4CH for an undergraduate degree) and for additional semester credit hours, not to exceed 12, that may be applied to satisfy any elective course requirements for the student’s degree program for courses outside the student’s major or minor if the student:
• Graduated from a public or private high school accredited by a generally recognized accrediting organization or from a high school operated by the U.S. Department of Defense.
• Received an honorable discharge as a former member of the armed forces of the United States.
• Completed a minimum of two years of service in the armed services or was discharged because of a disability.

Please Note: To have credit awarded, students must provide proof of eligibility. Careful consideration should be given to the total effect of the additional course credit on degree progress and other institutional rules.

Other Military Coursework

Other military coursework may be considered for transfer credit. Evaluations will be completed after enrollment, and transfer credit is subject to approval by the student's major department/school. Acceptable forms of documentation that may be submitted include:

1. College Credit for Heroes (CCH) Transcript: Go to https://www.collegecreditforheroes.org/ and send your official transcript to Undergraduate Admissions at A&M-Central Texas.

The University uses the American Council on Education (ACE) guidelines in the evaluation of these transcripts. Military students may also be awarded credit for specified levels of achievement on certain Credit By Examinations, which are typically taken during or shortly after time served in the military. Credit awarded for military education or experience may not be used for admission purposes. A&M-Central Texas grants credit for the lower- and upper-division baccalaureate category but does not award credit for vocational or graduate-level work. Students with technical credit based on military experience may only apply such credits to the Bachelor of Arts in Applied Science (BAAS) degree options.

Life Experience Credit

Texas A&M University-Central Texas recognizes that each student has different educational needs, goals, and experiences. There are many areas where an individual’s skills and knowledge can be developed through vocational, military, and technical training; experiences accumulated in the workplace; as well as classes completed at other colleges and universities. A&M-Central Texas recognizes nontraditional learning experiences and may award college credit in cases where such credit is deemed appropriate.

Nontraditional learning experiences considered applicable toward a degree at A&M-Central Texas may include:

• Military Occupational Specialties (MOSs), ratings, Military Service Schools, and other Military Job Training and Experience as recommended by the American Council on Education (ACE).
• Vocational training acquired at a regionally or nationally accredited institution or recommend by ACE.
• Credit by examination for prior learning experience.

All students, including military and former military personnel, are eligible for credit consideration based on documentation of their prior learning experiences. While this credit may not be used for admission purposes, transfer students with life experience credit are encouraged to explore the Bachelor of Applied Arts and Sciences (BAAS). (p. 43)

Students with an Associate of Applied Science degree in Nursing (or comparable credential) are encouraged to consider the Bachelor of Science in Nursing, which is an RN to BSN program. Students with an Associate of Applied Degree in Aviation Science (or comparable credential) are encouraged to consider the Bachelor of Science in Aviation Science-Professional Pilot program.

For additional information regarding the military credit evaluation process, please see the Military Transcripts and Credit Evaluation (p. 34) in the catalog.

Undergraduate Grading System

Final grades in all courses will be available at the end of each semester on WarriorWeb. Students can view and print copies of their final grades on WarriorWeb. The undergraduate student’s term grade in any subject shall be designated as one of the following letters:
registering for the next sequential course. Should this grade not be reported to the Registrar within the prescribed time limit, it automatically becomes an "F."

A student who drops a course on or before the census date receives no grade, and the course will not be listed on that student’s permanent record.

**Grade Point Average**

The grade point average (GPA) is obtained by dividing the total number of quality points earned by the total number of semester hours included for quality points.

**Grade Forgiveness**

An undergraduate student enrolled at A&M-Central Texas may choose to exercise the following forgiveness option:

- Grades received for any one entire semester of coursework taken at A&M-Central Texas more than five (5) years before a student’s current enrollment at A&M-Central Texas may be excluded for computation in the total grade point average (GPA) if the student files a request with the Provost/Vice President for Academic and Student Affairs. This option may be exercised one time only.

When a student has exercised the forgiveness option, grades for the semester selected by the student will be deleted in computing the total institution GPA. All courses and grades will continue to appear on the student’s transcript. These courses and grades will be counted toward restrictions in total number of withdrawals, as well as calculations of fees for repeated courses and fees resulting from excess hours beyond the degree, etc. In applying the option, all grades from the chosen semester are deleted from the GPA, not just low or failing grades. Also, no classes taken in the semester being forgiven may be counted on the student’s degree plan. A student seeking to exercise this option must be enrolled at A&M-Central Texas at the time he/she requests the forgiveness option. Please note that the Tarleton State University coursework taken at the Killeen campus that can be considered for this forgiveness option must have been taken between September 1, 2009 and December 31, 2012.

**International Students**

**International Admission**

Along with the general undergraduate admission requirements (p. 22), international applicants must meet the minimum English language proficiency requirements through one of the following ways:

- Test of English as a Foreign Language (TOEFL) minimum score of 69 (internet-based test) or 520 (paper-based test) or 190 (computer-based test),
- International English Language Test (IELTS) minimum score of 6, or
- Completion of six semester credit hours of English composition with a grade of C or better in each course.

**Materials Needed for Application**

1. The State of Texas Common Application for Public Universities,¹ available at the following location: www.applytexas.org (http://www.applytexas.org) (application is submitted electronically),
2. Official transcripts from colleges previously attended,
3. Application fee $130 non-refundable, and
4. Affidavit of Support and documented evidence of financial solvency (financial statement documentation).

Applications cannot be processed until all materials are received. Other documents may be requested as needed. The application and all requested materials must be submitted by the required admission deadline (p. 22).

**Additional Information**

Applications cannot be processed and an I-20 cannot be issued until all materials are received and the applicant is admitted to the university. To obtain a visa from the American Embassy located in the applicant’s country, a prospective student must have documented evidence of financial solvency. A sponsor is obligated to endorse all expenditures for the applicant during the entire course of study. Check with the American Embassy for further details.

International applicants must submit two passport-style color photos taken within six months of application. The A&M System mandates that all international students have medical insurance with coverage in the United States. Students will be automatically enrolled and charged for health insurance as part of their matriculation.

1. Used by U.S. citizens and permanent residents to apply for undergraduate admission.
2. If courses were taken at a college or university outside of the United States, a course-by-course evaluation from an accredited foreign credentials evaluation service is required.

**Readmission**

Any student who has previously attended A&M-Central Texas and is returning after an absence of one or more long semesters is considered a returning student. Returning students who have not enrolled at any other college or university since last attending A&M-Central Texas will be readmitted to the University. Returning students who have enrolled at another college or university since last attending A&M-Central Texas must meet all general admission requirements.

Regardless of the reason for the absence, returning students must follow the below steps in order to be considered for readmission to the University.

1. Complete and submit an undergraduate application via applytexas.org.
2. Pay the $30 non-refundable application fee via your electronic application or pay by cash, check, money order, or credit card to the Business Office.
3. Submit official transcripts from every institution since last attended at A&M-Central Texas.

**Readmission after Academic Suspension**

Students who leave the University due to academic suspension may reapply and be readmitted post suspension. If admitted, returning students must meet with the Undergraduate Academic Advising Office. If the full length of suspension has elapsed, then the returning student’s academic standing is updated to “warning,” and the student will be permitted to continue enrollment. Returning students who have reapplied without serving the full length of the suspension must petition to re-enroll in coursework by following the general suspension appeal process. Admission after suspension is not a guarantee of enrollment, and a
refund of the application fee will not be granted should the suspension appeal be denied.

Requirements for a Baccalaureate Degree

General Requirements
The following general requirements for graduating with a baccalaureate degree must be met by all students. Additional requirements may exist for individual programs. The final responsibility for meeting all degree requirements rests with the student.

1. Students must satisfactorily complete 120 credit hours of degree applicable coursework. Higher credit hour requirements may exist for individual programs.
2. Students must earn an overall GPA of 2.00 or higher in all coursework taken at A&M-Central Texas, in their major field of study, and counted toward a degree. To be considered for degree conferral, a candidate must be in good academic standing with the University.
3. Students must satisfactorily complete at least 45 credit hours of upper-level (junior and senior) coursework. The following programs incorporate a high volume of technical/vocational (Workforce Education) and have a reduced upper-level credit minimum: Aviation Science (BS) – 43 credit hours; Business Management (BAAS) – 42 credit hours; and Nursing (BSN) – 30 credit hours.

Residence Requirements
Residence is satisfied only by official enrollment in and completion of coursework applied toward the degree requirements.

1. A minimum of 25% of coursework required for the degree must be completed with A&M-Central Texas (i.e. 30 hours of a degree that requires 120 hours). The work completed at A&M-Central Texas and counted toward the degree must include at least 24 upper-level hours (3000 or 4000 level courses), and 12 of these advanced hours must be in the subject in which the student intends to major.
2. A maximum of 68 semester hours of academic credit will be accepted for degree credit from a two-year institution.

Writing Intensive Program
To satisfy this requirement, students must have credit for four writing intensive (WI) courses. Two of these four courses must be upper-level institutional WI courses within the major or designed for the degree plan. The remaining WI requirement should be met through general education courses. The two general education courses should be Freshman Composition I & II.

Application for Degree
A candidate for a degree must apply for the degree by submitting an “Application for Graduation”--either paper-based or online through WarriorWeb--to the Office of the Registrar no later than the deadline for submission of the application for graduation, as specified in the University Calendar. Deadlines for submitting an application for graduation are strictly enforced. A $50 graduation application processing fee is required at the time the application is submitted. Students who miss the Late Application Deadline will be charged a $20 late fee and will be eligible for conferral only. Students failing to meet degree requirements in the semester in which they have applied to graduate must reapply and re-pay the graduation application processing fee.

Funding Limit and 3-Peat Rules

Undergraduate funding limit rules
Texas Education Code § 54.014 provides a limit to the number of hours an undergraduate Texas resident may attempt while paying in-state tuition rates. This legislation impacts new undergraduate students enrolling in a Texas state institution of higher education in fall 1999 or thereafter. Students who exceed the limit of attempted hours could be charged tuition not to exceed that of out-of-state tuition rates. A&M-Central Texas adopted a fee of $100 per credit hour for students who exceed attempted hours under the undergraduate funding limit rule.

If you are a Texas resident who enrolled in any Texas state institution of higher education BEFORE 1999, you are exempt from the Undergraduate Funding Limit Rule.

If you are a Texas resident who enrolled in any Texas state institution of higher education for the first time in fall 1999 or later, the following provisions apply to you:

45-Hour Rule
New undergraduate students who started fall 1999 through summer 2006 and attempt 45 or more semester credit hours beyond the hours required to complete their degree will be charged an additional $100 per credit hour for these excess hours. Any student who is being charged additional tuition rates under the 45-hour rule and who wishes to appeal must file an appeal for each applicable semester. The appeal form and procedures may be obtained by contacting the Office of the Registrar.

30-Hour Rule
New undergraduate students who started fall 2006 and thereafter and attempt 30 or more semester credit hours beyond the hours required to complete their degree will be charged an additional $100 per credit hour for these excess hours. Students who have not selected a major are considered, by state law, to have a degree requirement of 120 hours.

Please note that all hours in which a student was enrolled at any Texas state institution of higher education, community college, or four-year institution, are counted toward the 45 or 30 semester credit hour cap, whether or not the hours are accepted for transfer at A&M-Central Texas.

3-Peat rule
Effective fall 2002, Texas Higher Education Coordinating Board Rules (Chapter 13, Subchapter B, § 13.25) provide a limit to the number of times that a student may attempt a particular course. A student attempting a non-repeatable course more than two times at A&M-Central Texas will be subject to an additional fee of $100 per credit hour for the repeated course, in addition to the in-state tuition rate. This rule includes not only courses completed more than two times, but also courses the student dropped or from which the student withdrew after the official semester census date.

6-Drop Rule
Beginning with the fall 2007 academic term, and applying to all students who enroll in higher education for the first time during the fall 2007 academic term or any term subsequent to the fall 2007 term, an institution of higher education may not permit an undergraduate student
a total of more than six dropped courses. This includes courses dropped at another two- or four-year Texas public college or university (Section Bill 2183, 80th Legislature; THECB Regulation, Chapter 4, Section 4.10(a)). Once a student has accumulated six (Q) drops, the student will no longer be eligible to drop additional courses.
UNDERGRADUATE PROGRAMS

A&M-Central Texas welcomes interest from eligible undergraduate students year round.

Visit How to apply (p. 22) webpage to begin.

A&M-Central Texas offers the following undergraduate degrees and minors:

**Bachelor of Applied Arts and Science (B.A.A.S.)**
- Business Management (p. 43)

**Bachelor of Arts (B.A.)**
- English (p. 39)
- History (p. 40)
- Political Science (p. 42)

**Bachelor of Business Administration (B.B.A.)**
- Accounting (p. 45)
- Computer Information Systems (p. 46)
- Finance (p. 47)
- Human Resource Management (p. 48)
- Management (p. 49)
- Marketing (p. 50)

**Bachelor of Science (B.S.)**
- Aviation Science-Aviation Management (p. 51)
- Aviation Science-Professional Pilot (p. 52)
- Biology (p. 53)
- Computer Information Systems (p. 54)
- Computer Science (p. 55)
- Criminal Justice (p. 56)
- Interdisciplinary Studies (p. 57)
- Liberal Studies (p. 63)
- Mathematics (p. 64)
- Political Science (p. 67)
- Psychology (p. 68)
- Sociology (p. 71)

**Bachelor of Science in Nursing (B.S.N.)**
- Nursing (p. 66)

**Bachelor of Social Work (B.S.W.)**
- Social Work (p. 69)

**Undergraduate Minors**
- Minors (p. 72)

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Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

**B.A. English**

**Common Courses (42 Credits)**

Courses that are common to both concentrations may be applied to both. At least 120 hours are required for the degree.

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences-030</td>
<td>Select six hours of Natural Science</td>
<td>6</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2306</td>
<td>Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
<td>Select three hours of Social and Behavioral Sciences</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses in the Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 4305</td>
<td>Literary Authors</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 4317</td>
<td>Literary Themes</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 4318</td>
<td>Literary Period</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 4319</td>
<td>Literary Genres</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics-020</td>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>Humanities-040</td>
<td>University Option-090</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts-050</td>
<td>Sophomore English</td>
<td>6</td>
</tr>
<tr>
<td>LANG 1311</td>
<td>Foreign Language I</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Refer to General Education Requirements for more information.

---

Concentration Requirements Without Teacher Certification Preparation

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics-020</td>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
</tr>
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<td>Humanities-040</td>
<td>University Option-090</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts-050</td>
<td>Sophomore English</td>
<td>6</td>
</tr>
<tr>
<td>LANG 1311</td>
<td>Foreign Language I</td>
<td>3</td>
</tr>
</tbody>
</table>
LANG 1312  Foreign Language II  3
LANG 2311  Intermediate Language I  3
LANG 2312  Intermediate Language II  3

**Additional Electives**

**English Electives**

Upper Level English Electives  18

**Additional Electives**

Any Level Electives  18
300-400 Level Electives  15

Total Semester Credit Hours  78

2 Any Math course that meets the 020 core component area higher than or equal to MATH 1314 at a Texas public institution may be used to fill this area.

3 6 hours in upper-level Linguistics can be substituted for 6 hours of Foreign Language.

**With 7th-12th Grade Teacher Certification Preparation**

**Concentration General Education Requirements**

Mathematics-020
MATH 1314  College Algebra  3

Humanities-040  
2
Sophomore English  3

Visual and Performing Art-050

Select one of the following

- MUSI 1310  American Music  3
- HUMA 1315  Fine Arts Appreciation  3
- DRAM 1310  Introduction to Theatre  3

University Option-090
Sophomore English  3
LANG 1311  Foreign Language I  3

**Language Requirements**

LANG 1312  Foreign Language II  3
LANG 2311  Intermediate Language I  3
LANG 2312  Intermediate Language II  3

**Required Courses in the Concentration**

ENGL 3303  Western Literature I  3
ENGL 3304  Western Literature II  3
ENGL 3320  Advanced Grammars  3
ENGL 3306  Readings in Adolescent Lit  3
ENGL 4360  Adv Studies in Secondary Engl  3
EDUC 3325  Fundamentals of Bilingual and English as a Second Language Education  3
EDUC 4340  Technology Application and Integration for Classroom Teachers  3

SPED 3361  Survey Exceptional Learners  3

**Required Courses for Professional Development**

Choose one of the following

- PSYC 3303  Educational Psychology  3
- TECA 1354  Child Growth & Development  3
- PSYC 2308  Child Psychology  3

READ 3335  Content Area Reading  3

EDUC 3320  Professional Development in Learner Centered Schools  3

EDUC 3330  Professional Development II: Effective Instruction  3
EDUC 4330  Professional Development III  3
EDUC 4335  Issues in Professional Development  3
EDUC 4691  Clinical Teaching  6

**Additional Electives**

Any Level Electives  6

Total Semester Credit Hours  78

2 Course must be completed with a "C" or better.

3 6 hours in upper-level Linguistics can be substituted for 6 hours of Foreign Language.

4 A formal application for admission to the Teacher Education Program should be made by the student during course.

Admission Requirements to the Teacher Education Program include:

- Complete the following courses with a C grade or better:
  - Twelve hours of English
  - College Algebra course
  - Education Psychology course

- Complete 60 credit hours of overall course work
- Complete 15 hours of course work related to Field of Study with at least a C grade and 2.75 GPA
- Meet Texas Higher Education Assessment (THEA) requirements
- Complete professional interview and writing sample
- Complete content screening instrument

For further information contact Educator Preparation services (https://www.tamuct.edu/educator-preparation-services).

**Course Information and Schedule**

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

**Program Level Student Learning Outcomes**

1. Perform critical reading and analysis.
2. Engage in scholarly research.
3. Create effective composition for varied audiences.
4. Create effective teaching moments using disciplinary texts.

**B.A. History**

**Common Courses (45 Credits)**

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

**General Education Requirements**

Communication-010  
2
ENGL 1301  Composition I  3
ENGL 1302  Composition II  3
With 7th-12th Grade Teacher Certification Preparation

Concentration General Education Requirements

Mathematics-020
MATH 1314 College Algebra 3

Humanities-040
Sophomore English 4 3
Visual and Performing Art-050

Choose one of the following
MUSI 1310 American Music 3
or HUMA 1315 Fine Arts Appreciation
or DRAM 1310 Introduction to Theatre

University Option-090
Sophomore English 4 3
HIST 2312 Western Civilization II 3

Required Courses in the Concentration

HIST 3322 History of Texas 3
or HIST 2301 Texas History

HIST 4381 Concepts of History Education 3
EDUC 3325 Fundamentals of Bilingual and English as a Second Language Education 3
EDUC 4340 Technology Application and Integration for Classroom Teachers 3

SPED 3361 Survey Exceptional Learners 3

Professional Development

Choose one of the following
PSYC 3303 Educational Psychology 3
or TECA 1354 Child Growth & Development
or PSYC 2308 Child Psychology

READ 3335 Content Area Reading 3
EDUC 3320 Professional Development in Learner Centered Schools 5 3
EDUC 3330 Professional Development II: Effective Instruction 3
EDUC 4330 Professional Development III 3
EDUC 4335 Issues in Professional Development 3
EDUC 4691 Clinical Teaching 6

Political Science Electives

Upper level Political Science Elective 3

Advanced History Electives

Upper level History Electives 18

Total Semester Credit Hours 75

4 Courses must be completed with a “C” or better.
A formal application for admission to the Teacher Education Program should be made by the student during course. Admission Requirements to the Teacher Education Program include:

- Complete the following courses with a C grade or better:
  - Twelve hours of English
  - College Algebra course
  - Education Psychology course
- Complete 60 credit hours of overall course work
- Complete 15 hours of course work related to Field of Study with at least a C grade and 2.75 GPA
- Meet Texas Higher Education Assessment (THEA) requirements
- Complete professional interview and writing sample
- Complete content screening instrument

For further information contact Educator Preparation services (https://www.tamuct.edu/educator-preparation-services).

With 7th-12th Grade Social Studies Teacher Certification Preparation

Concentration General Education Requirements
Mathematics-020
MATH 1314 College Algebra 3

Humanities-040
Sophomore English 4 3

Visual and Performing Art-050
Choose one of the following
MUSI 1310 American Music 3
  or HUMA 1315 Fine Arts Appreciation 3
  or DRAM 1310 Introduction to Theatre 3

University Option-090
Sophomore English 4 3

HIST 2312 Western Civilization II 3

Required Courses in the Concentration
HIST 3322 History of Texas 3

HIST 4381 Concepts of History Education 3

Choose one of the following
GEOG 1301 Physical Geography 3
  or GEOG 1302 Human Geography 3

GEOG 1303 World Regional Geography 3

EDUC 3325 Fundamentals of Bilingual and English as a Second Language Education 3

EDUC 4340 Technology Application and Integration for Classroom Teachers 3

SPED 3361 Survey Exceptional Learners 3

Professional Development
Choose one of the following
PSYC 3303 Educational Psychology 3
  or TECA 1354 Child Growth & Development 3
  or PSYC 2308 Child Psychology 3

READ 3335 Content Area Reading 3

EDUC 3320 Professional Development in Learner Centered Schools 5 3

EDUC 3330 Professional Development II: Effective Instruction 3

EDUC 4330 Professional Development III 3

EDUC 4335 Issues in Professional Development 3

EDUC 4691 Clinical Teaching 6

Advanced Political Science Elective
Upper level Political Science Elective 3

Advanced History Electives
Upper level History Electives 12

Total Semester Credit Hours 75

Courses must be completed with a “C” or better.

A formal application for admission to the Teacher Education Program should be made by the student during course. Admission Requirements to the Teacher Education Program include:

- Complete the following courses with a C grade or better:
  - Twelve hours of English
  - College Algebra course
  - Education Psychology course
- Complete 60 credit hours of overall course work
- Complete 15 hours of course work related to Field of Study with at least a C grade and 2.75 GPA
- Meet Texas Higher Education Assessment (THEA) requirements
- Complete professional interview and writing sample
- Complete content screening instrument

For further information contact Educator Preparation services (https://www.tamuct.edu/educator-preparation-services).

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Analyze, synthesize, and evaluate academic content within the discipline of history.
2. Know the historical development of the discipline and the philosophical approaches to history that have developed over time.
3. Demonstrate appropriate style and grammar, as well as organizational and analytical ability in their written work.
4. Conduct and report research that analyzes, synthesizes, and evaluates historical content.

B.A. Political Science

General Education Requirements
Communications-010
ENGL 1301 Composition I 3

ENGL 1302 Composition II 3

Mathematics-020
Select three hours of Mathematics
Natural Sciences-030
Select six hours of Natural Sciences
Humanities-040
Select three hours of Humanities
Creative Arts-050
Select three hours of Creative Arts
U.S. History-060
HIST 1301 United States History I
HIST 1302 United States History II
Government-070
GOVT 2305 Federal Government
GOVT 2306 Texas Government
Social and Behavioral Sciences-080
HIST 2311 Western Civilization I
University Option-090
HIST 2312 Western Civilization II
Select one of the following
SPCH 1311 Introduction to Speech Communication
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication
Language requirements 2
LANG 1411 Foreign Language I
LANG 1412 Foreign Language II
LANG 2311 Intermediate Language I
LANG 2312 Intermediate Language II
Major Requirements
Select one of the following
POLI 3302 Elections and Political Parties
or POLI 3303 Comparative State and Local Government
or POLI 3304 The Executive Branch
or POLI 3305 Legislation
or POLI 3307 Public Administration
or POLI 4301 Constitutional Law I
or POLI 4302 Constitutional Law II
or POLI 4380 Administration of Justice
Select one of the following
POLI 3301 Political Economy of Globalization
or POLI 3306 Political Economy
or POLI 3308 International Politics
or POLI 4305 Comparative Government and Politics
or POLI 4316 Conflict Studies
or POLI 4317 Peace Studies
POLI 4340 Political Ethics
POLI 4341 Freedom and Authority
POLI 4395 Political Science Capstone 3
Political Science Electives
Upper level Political Science electives
Additional Electives
Any level electives
Upper level electives 18
Total Semester Credit Hours 120

1. Refer to General Education Core Requirements for more information.
2. All 14 hours must be from the same language; CLEP, Defense Language Certification.
3. Should be taken during Spring semester.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.
See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Understand the definitions, concepts, and theories of political science.
2. Demonstrate advanced knowledge in the study of normative political theory (political philosophy).
3. Use electronic databases for research.
4. Demonstrate appropriate style and grammar and develop appropriate discipline-specific research skills.

B.A.A.S. Business Management Overview
The Bachelor of Applied Arts and Sciences (BAAS) incorporates students' vocational and technical training into their degree program. The intent of the BAAS degree is to encourage students with Associates of Applied Science (AAS), or comparable degrees, certificate programs, and other vocational training to continue their education to the completion of a baccalaureate degree.

Eligibility
A student must have completed a minimum of 12 semester credit hours (or the equivalent) of technical and vocational training from a technical school, junior college, military school or a combination of those learning experiences. The Interdisciplinary Degree Program (IDP) committee may consider all such training from regionally and nationally accredited schools, and credit recommendations made by the American Council on Education (ACE), from which Joint Services Transcript credit recommendations are made.

The IDP committee determines both program eligibility and acceptance of technical, vocational and training credits. Eligibility determinations are only made after the student has enrolled in at least 6 credit hours with A&M-Central Texas.

Although the completion of a community college-level credential, such as the AAS or a certificate, is not required, it is strongly encouraged to ensure that students have received adequate training in their occupational specialization area.
The IDP may recommend 1 semester credit hour for every 15 contact hours of technical training.

Restrictions
Students in the BAAS degree may not declare a minor in a field related to their “occupational specialization.”

Vocational and technical training approved for use toward a student's major may only be used for that specific program, and will not apply to another program should the student change majors or decide to pursue a second baccalaureate degree after graduation. However, all coursework of this type will remain a permanent part of the student record after it is articulated.

Occupational Specialization
The occupational specialization uses 30 semester credit hours (or the equivalent) of lower-division technical and vocational training or coursework, and may incorporate academic credits as needed, provided the student meets the minimum eligibility requirements and all credits directly relate to student’s major.

Non-training ACE credit recommendations, such as those based on a student's Military Occupational Specialty (MOS), may be considered, provided the minimum training requirements for eligibility are met.

Upper-level courses, such as those taught at A&M-Central Texas, may not be used to meet this requirement.

<table>
<thead>
<tr>
<th>Occupational Specialty (Maximum of 30 Semester Credit Hours)</th>
<th>Initial Qualification (Minimum 12 Semester Credit Hours)</th>
<th>Remaining Occupational Specialty Credit (Maximum of 18 Semester Credit Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Course Guide Manual (ACGM)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Workforce Education Course Manual (WECM)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Work Experience (Civilian)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Non-Traditional Education - American Council of Education Recommended (ACE) and Joint Services Transcript (JST)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Military Courses Section (AR/NV)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Military Experience Section (MOS/NEC)</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

BAAS Business Management
The current BAAS degree major offering is Business Management. Although this major is in the business field, interested students from non-business backgrounds are encouraged to apply, if they wish to receive more advanced business training to acquire management skills for their career.

Common Courses (111 Credits)
Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

General Education Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Math 020</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select three hours of Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences 030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select six hours of Natural Science</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Humanities 040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select three hours of Humanities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Visual and Performing Arts 050</td>
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<tr>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>U.S. History 060</td>
<td></td>
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</tr>
<tr>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>United States History II</td>
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</tr>
<tr>
<td>Government 070</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2306</td>
<td>Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences 080</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>University Option 090</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 2301</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>Select one of the following</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPCH 1311</td>
<td>Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 1315</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>or SPCH 1321</td>
<td>Business &amp; Professional Communication</td>
<td></td>
</tr>
</tbody>
</table>

Occupational Specialization
Approved Technical, Vocational or Military Training

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3301</td>
<td>Business Communications and Research</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3311</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3332</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3344</td>
<td>Introduction to the Global Business Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 4301</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3301</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3302</td>
<td>Personnel and Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3301</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4350</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 4359</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>
Concentration Requirements (See Below)

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 This section has the following considerations
   • May consist of technical or military credit.
   • No student will be considered for the BAAS who has less than 12 semester credit hours in the combination of technical, vocational, or military training (12 hours must be technical/vocational training if no military training)
   • With the qualifying 12 semester credit hours, a student may include academic electives up to the maximum 30 semester credit hours.
   • A maximum of 30 semester credit hours will be allowed
3 Should be taken in the last semester.

Concentration Requirements

Business Management
MGMT 3350 Organizational Behavior 3
MGMT 4321 Production and Operations Management 3
MGMT 4325 Leadership Theory and Practice 3
Total Semester Credit Hours 9

Entrepreneurship
MGMT 3310 Entrepreneurship I 3
MGMT 4310 Entrepreneurship II 3
Select one of the following
MGMT 4303 Wage and Salary Administration 3
or MGMT 4304 Recruitment and Selection of Human Resources
or MGMT 4305 Human Resource Development
or MKTG 3316 Consumer Behavior
or MKTG 3318 Promotional Strategy
Total Semester Credit Hours 9

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes

1. Demonstrate proficiency in written communications
2. Demonstrate proficiency in oral presentations
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks.
4. Design and defend a reasoned resolution to an ethical challenge.
5. Identify the differences in business environment between countries may impact business decisions.
6. Exhibit cross-cultural competencies that will aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision making.

B.B.A. Accounting

General Education Requirements

Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
Select three hours of Mathematics 3
Natural Sciences-030
Select six hours of Natural Science 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Arts-050
Select three hours of Visual and Performing Arts 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
ECON 2301 Principles of Macroeconomics 3
University Option-090
ECON 2302 Principles of Microeconomics 3
Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication

Major Course Requirements

ACCT 2301 Principles of Financial Accounting 3
ACCT 2302 Principles of Managerial Accounting 3
ACCT 3302 Cost Accounting 3
ACCT 3303 Intermediate Accounting I 3
ACCT 3304 Intermediate Accounting II 3
ACCT 3305 Governmental Accounting 3
ACCT 3307 Writing for Accountants 3
ACCT 3310 Accounting Information Systems 3
ACCT 4301 Financial Accounting 3
ACCT 4303 Accounting Principles 3
ACCT 4305 Federal Tax Accounting I 3
ACCT 4306 Federal Tax Accounting II 3
ACCT 4323 Ethics for Accountants 3
ACCT 4324 Auditing Evidence and Reports 3
ACCT 4350 Management Information Systems 3
FIN 3301 Financial Management I 3
BUSI 3332 Legal Environment of Business 3
BUSI 4359 Business Strategy 3
MGMT 3301 Principles of Management 3
MKTG 3301 Marketing 3
Choose one of the following
BUSI 3311 Business Statistics 3
or MATH 3300 Principles of Statistics

Choose one of the following
FIN 4301 International Financial Management 3
or BUSI 3344 Introduction to the Global Business Environment
or ECON 4301 International Economics

Additional Electives
Any level electives 9

Upper Level COBA elective
Upper level COBA elective 3

Total Semester Credit Hours 120

Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Identify how the differences in business environment between countries may impact business decisions.
4. Exhibit cross-cultural competencies that aid in working with people from different cultures.
5. Demonstrate knowledge proficiency in the core business disciplines.
6. Integrate knowledge across multiple business disciplines.
7. Demonstrate how technology can support business decision-making.
8. Demonstrate knowledge of and the ability to apply Generally Accepted Accounting Principles (GAAP).
10. Demonstrate proficiency of and the application of Generally Accepted Auditing Standards (GAAS).
11. Demonstrate the application of technology used in the accounting profession.

B.B.A. Computer Information Systems

General Education Requirements 1
Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3

Mathematics-020
Select three hours of Mathematics 3
Natural Sciences-030
Select six hours of Natural Sciences 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
ECON 2301 Principles of Macroeconomics 3
University Option-090
ECON 2302 Principles of Microeconomics 3
Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication

Major Course Requirements
ACCT 2301 Principles of Financial Accounting 3
ACCT 2302 Principles of Managerial Accounting 3
CIS 3347 Data Communications and Infrastructure 3
CIS 3365 System Analysis and Design 3
CIS 4301 Database Theory and Practices 3
CIS 4350 Management Information Systems 3
FIN 3301 Financial Management I 3
BUSI 3332 Legal Environment of Business 3
BUSI 4359 Business Strategy 3
MGMT 3301 Principles of Management 3
MKTG 3301 Marketing 3
CIS 4341 Information Technology Security and Risk Management 3
CIS 3302 Introduction to Business Analytics 3
CIS 4351 IS Project Management 3
CIS 3360 Ethics in Computing 3
CIS 4360 Strategic Information Systems 3
Select one of the following
CIS 3303 Programming Logic and Design 3
or COSC 1309 Programming Logic & Design
or BCIS 1309 Intro to Program Logic & Design
Select one of the following
CIS 3300 Computer Technology and Impact 3
or COSC 1301 Introduction to Computing
or BCIS 1301 Microcomputer Applications
Select one of the following
CIS 3330 C++ Programming 3
or CIS 3331 Visual Basic Programming
or CIS 3332 Java Programming
or COSC 1320  C Programming I
or COSC 1315 Fundamentals of Programming
BUSI 3344 Introduction to the Global Business Environment 3
BUSI 3311 Business Statistics 3
Concentration Requirements (See Below) 15
Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

### Concentration Requirements

#### Without Concentration

**Computer Information Systems Electives**
- Any level CIS electives 3
- Upper level CIS electives 6

**Electives**
- Any level electives 6

Total Semester Credit Hours 15

#### With a Concentration in Business Analytics

- CIS 3306 Data Visualization 3
- CIS 4302 Advanced Business Analytics 3
- CIS 4303 Data Mining 3
- CIS 4352 Structured Query Language 3

Upper level CIS elective 3

Total Semester Credit Hours 15

#### With a Concentration in Information Technology Security

- CIS 4342 Computer Security Principles and Practices 3
- CIS 4345 Network and Systems Security 3
- CIS 4346 Applied Security 3
- CIS 4348 Security Trends and Malware Analysis 3
- CIS 3361 Introduction to Computer Forensics 3

Total Semester Credit Hours 15

#### With a Concentration in Management and Networking

- CIS 3305 Operating Systems Theory and Practice 3
- CIS 4335 UNIX Systems Administration and Programming 3
- CIS 4345 Network and Systems Security 3
- CIS 4376 Network Administration 3
- CIS 4378 Comprehensive Networking 3

Total Semester Credit Hours 15

#### With a Concentration in Software and Database Design

- CIS 3340 Advanced C++ Programming 3
  - or CIS 3341 Advanced Visual Basic Programming
  - or CIS 3342 Advanced Java Programming
  - or CIS 3343 C# Programming for Windows and the Web
- CIS 3351 Data Structures 3
- CIS 4340 Algorithm Design and Analysis 3
- CIS 4352 Structured Query Language 3

CIS 4379 Software Engineering for E-Business 3

Total Semester Credit Hours 15

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

### Program-Level Student Learning Outcomes

1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives.
4. Produce a well-reasoned resolution to an ethical challenge.
5. Identify how the differences in business environment between countries may impact business decisions.
6. Exhibit cross-cultural competencies that aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision making.
10. Demonstrate knowledge proficiency in the principles of management.
11. Demonstrate comprehension of leadership principles.
12. Analyze business requirements and design appropriate Information Systems solutions.
13. Identify and evaluate Information Systems solutions for business situations and select optimal solutions to meet the organization’s needs.
14. Demonstrate an ability to apply general knowledge and skills related to data communications and infrastructure solutions to an organization’s Information Systems needs.
15. Demonstrate an ability to apply general knowledge and skills related to software application solutions to an organization’s Information Systems needs.
16. Demonstrate an ability to apply general knowledge and skills related to database solutions to an organization’s Information Systems needs.

### B.B.A. Finance

#### General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Refer to General Education Core Requirements for more information.
Choose one of the following
MATH 1314 College Algebra 3
  or MATH 1324 Mathematics for Business & Social Sciences
Natural Sciences-030
Select six hours of Natural Science
6
Humanities-040
Select three hours of Humanities
3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts
3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
ECON 2301 Principles of Macroeconomics 3
University Option-090
ECON 2302 Principles of Microeconomics 3
Choose one of the following
SPCH 1311 Introduction to Speech Communication 3
  or SPCH 1315 Public Speaking
  or SPCH 1321 Business & Professional Communication
Major Course Requirements
ACCT 2301 Principles of Financial Accounting 3
ACCT 2302 Principles of Managerial Accounting 3
CIS 3301 Business Analysis with Spreadsheets 3
FIN 3301 Financial Management I 3
FIN 3303 Money and Banking
  or ECON 3303 Money and Banking
FIN 4300 Advanced Financial Management 3
FIN 4301 International Financial Management 3
FIN 4303 Case Studies in Finance 3
FIN 4304 Investments 3
FIN 4310 Managerial Economics
  or ECON 4310 Managerial Economics
BUSI 3301 Business Communications and Research 3
BUSI 3311 Business Statistics 3
BUSI 3332 Legal Environment of Business 3
BUSI 4359 Business Strategy 3
MGMT 3301 Principles of Management 3
MKTG 3301 Marketing 3
BUSI 4301 Business Ethics 3
MGMT 4350 Management Information Systems
  or CIS 4350 Management Information Systems
Additional Electives
Any level electives 12
Upper level Finance electives 3
Accounting, Finance & Economics Upper level elective 3
College of Business Administration Upper level elective 3
Any Upper level elective 3
Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.
See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives.
4. Produce a well-reasoned resolution to an ethical challenge.
5. Identify how the differences in business environments between countries may impact business decisions.
6. Exhibit cross-cultural competencies that aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision-making.
10. Demonstrate fundamental knowledge of financial concepts and institutions.
11. Perform financial analysis and demonstrate knowledge of evaluation methods.
12. Value financial assets and estimate a firm's value.
13. Effectively and ethically communicate information to relevant stakeholders.

B.B.A. Human Resource Management

General Education Requirements

Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
Select three hours of Mathematics 3
Natural Sciences-030
Select six hours of Natural Science 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts 3
Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_schd).

Program Level Student Learning Outcomes
1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives.
4. Design and defend a well-reasoned resolution to an ethical challenge.
5. Identify how the differences in business environment between countries may impact business decisions.
6. Exhibit cross-cultural competencies that aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision-making.
10. Demonstrate knowledge proficiency in the core human resource management (HRM) functions.

B.B.A. Management

General Education Requirements

Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
Select three hours of Mathematics 3
Natural Sciences-030
Select six hours of Natural Science 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
PSYC 2301 General Psychology 3
University Option-090
ECON 2301 Principles of Macroeconomics 3

Select one of the following

U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
PSYC 2301 General Psychology 3
University Option-090
ECON 2301 Principles of Macroeconomics 3

Major Course Requirements

ACCT 2301 Principles of Financial Accounting 3
ACCT 2302 Principles of Managerial Accounting 3
ECON 2302 Principles of Microeconomics 3
BCIS 1301 Microcomputer Applications (or higher with spreadsheet component) 3
FIN 3301 Financial Management I 3
BUSI 3301 Business Communications and Research 3
BUSI 3311 Business Statistics 3
BUSI 3332 Legal Environment of Business 3
BUSI 3344 Introduction to the Global Business Environment 3
BUSI 4301 Business Ethics 3
BUSI 4334 Employment Law 3
BUSI 4359 Business Strategy 3
MGMT 3301 Principles of Management 3
MGMT 3302 Personnel and Human Resource Management 3
MGMT 3350 Organizational Behavior 3
MGMT 4303 Wage and Salary Administration 3
MGMT 4304 Recruitment and Selection of Human Resources 3
MGMT 4305 Human Resource Development 3
MGMT 4306 Employer and Labor Relations 3
MGMT 4350 Management Information Systems 3
MKTG 3301 Marketing 3

Select one of the following

MGMT 3303 Supervisory Management 3
or MGMT 4325 Leadership Theory and Practice 3
or MGMT 4302 Productive Relationships 3
or MGMT 4384 Management Internship 3

Advanced Business Electives

Upper level Business electives 6

Electives

Any level electives 6

Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.
**B.B.A. Marketing**

**Major Course Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 1301</td>
<td>Microcomputer Applications (or higher with spreadsheet component)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2302</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4350</td>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3301</td>
<td>Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3301</td>
<td>Business Communications and Research</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3311</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3332</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 3344</td>
<td>Introduction to the Global Business Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 4301</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 4359</td>
<td>Business Strategy</td>
<td>3</td>
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<tr>
<td>MGMT 3301</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3302</td>
<td>Personnel and Human Resource Management</td>
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<td>MGMT 3350</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4321</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4325</td>
<td>Leadership Theory and Practice</td>
<td>3</td>
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<tr>
<td>MKTG 3301</td>
<td>Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Advanced Management Electives**

Upper level Management electives 9

**Advanced Business Electives**

Upper level Business electives 9

**Electives**

Any level electives 6

Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

---

**Course Information and Schedule**

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

---

**Program Level Student Learning Outcomes**

1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives.
4. Produce a well-reasoned resolution to an ethical challenge.
5. Identify how the differences in business environment between countries may impact business decisions.
6. Exhibit cross-cultural competencies that aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision-making.
10. Demonstrate knowledge proficiency in the principles of management.
11. Demonstrate comprehension of leadership principles.
MGMT 4350  Management Information Systems  3
MKTG 3301  Marketing  3
MKTG 3316  Consumer Behavior  3
MKTG 3318  Promotional Strategy  3
MKTG 3320  Marketing Research  3
MKTG 4302  Services Marketing  3
MKTG 4316  Marketing Management  3
Advanced Marketing Electives
Upper level marketing electives  6
Advanced Business Electives
Upper level business electives  3
Electives
Any level electives  6
Total Semester Credit Hours  120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Demonstrate proficiency in written communications.
2. Demonstrate proficiency in oral presentations.
3. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives.
4. Produce a well-reasoned resolution to an ethical challenge.
5. Identify how the differences in business environment between countries may impact business decisions.
6. Exhibit cross-cultural competencies that aid in working with people from different cultures.
7. Demonstrate knowledge proficiency in the core business disciplines.
8. Integrate knowledge across multiple business disciplines.
9. Demonstrate how technology can support business decision-making.
10. Demonstrate proficiency in the principles of marketing.
11. Exhibit an understanding of the consumer buying process.
12. Demonstrate proficiency in marketing research techniques.

B.S. Aviation Science - Aviation Management
General Education Requirements 1
Communication-010
ENGL 1301  Composition I  3
ENGL 1302  Composition II  3
Mathematics-020
Select three hours of Mathematics  3
Natural Sciences-030
Select six hours of Natural Sciences  6
Humanities-040
Select three hours of Humanities  3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts  3
U.S. History-060
HIST 1301  United States History I  3
HIST 1302  United States History II  3
Political Science-070
GOVT 2305  Federal Government  3
GOVT 2306  Texas Government  3
Social and Behavioral Sciences-080
ECON 2301  Principles of Macroeconomics  3
University Option-090
ECON 2302  Principles of Microeconomics  3
Select one of the following
SPCH 1311  Introduction to Speech Communication  3
or SPCH 1315  Public Speaking
or SPCH 1321  Business & Professional Communication
Major Course Requirements
ACCT 2301  Principles of Financial Accounting  3
ACCT 2302  Principles of Managerial Accounting  3
Select one of the following
CIS 3300  Computer Technology and Impact  3
or COSC 1301  Introduction to Computing
AVSC 3304  Airport Management  3
AVSC 3307  Aviation History  3
AVSC 3321  Airline Management  3
AVSC 3333  Airports and Environmental Impact  3
AVSC 4301  Aviation Law  3
AVSC 4302  Advanced Aircraft Systems  3
AVSC 4309  Aviation Security  3
AVSC 4321  Certification of Airports  3
AVSC 4333  General Aviation and Corporate Business Aviation  3
AVSC 4396  Capstone – Aviation Management (Emergency Preparedness)  3
BUSI 3301  Business Communications and Research  3
Marking  3
MKTG 3301  Principles of Management  3
MKTG 3302  Personnel and Human Resource Management  3
MKTG 4306  Employer and Labor Relations  3
Aviation Electives
Any level Aviation electives  6
Electives
Any level electives  6
Upper level electives (Instructor Approved) 6
Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Demonstrate knowledge of laws, regulations, and legal issues affecting the aviation industry.
2. Demonstrate knowledge of the issues affecting aviation safety and safety management.
3. Demonstrate proficiency in written communications.
4. Demonstrate proficiency in oral presentations.
5. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks.
6. Design and defend a reasoned resolution to an ethical challenge.
7. Demonstrate management knowledge proficiency.
8. Demonstrate how technology can support business decision-making.
9. Identify how the differences in business environment between countries may impact business decisions.
10. Exhibit cross-cultural competencies that aid in working with people from different cultures.

B.S. Aviation Science - Professional Pilot

General Education Requirements 1
Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
Select three hours of Mathematics 3
Natural Sciences-030
Select six hours of Natural Sciences 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070

GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
Select three hours of Social and Behavioral Sciences 3
University Option-090
Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking 3
or SPCH 1321 Business & Professional Communication 3
Select one of the following
ECON 2301 Principles of Macroeconomics 3
or ECON 2302 Principles of Microeconomics 3

Required Lower Level Aviation Courses
ASCI, AVIM or AIRP courses as identified with Aviation Science
Faculty Advisor

Major Course Requirements
AVSC 3301 Air Carrier Operations 3
AVSC 3302 Aviation Techniques of Instruction 3
AVSC 3303 Air Traffic Control 3
AVSC 3304 Airport Management 3
AVSC 3307 Aviation History 3
AVSC 4301 Aviation Law 3
AVSC 4302 Advanced Aircraft Systems 3
AVSC 4308 Aviation Safety 3
AVSC 4309 Aviation Security 3
AVSC 4395 Capstone – Professional Pilot (Crew Resource Management) 3
BUSI 3301 Business Communications and Research 3
MGMT 3301 Principles of Management 3
MGMT 3302 Personnel and Human Resource Management 3
MKTG 3301 Marketing 3
MGMT 4306 Employer and Labor Relations 3

Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Demonstrate technical knowledge of advanced aircraft systems.
2. Demonstrate knowledge of laws, regulations, and legal issues affecting the aviation industry.
3. Demonstrate knowledge of the issues affecting aviation safety and safety management.
4. Demonstrate proficiency in written communications.
5. Demonstrate proficiency in oral presentations.
6. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks.
7. Design and defend a reasoned resolution to an ethical challenge.
8. Demonstrate management knowledge proficiency.

B.S. Biology

Common Courses (88 Credits)

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

**General Education Requirements**

- Communications-010
  - ENGL 1301 Composition I
  - ENGL 1302 Composition II
- Mathematics-020
  - MATH 2313 Calculus I
- Natural Sciences-030
  - BIOL 1406 Biology for Science Majors I (Lecture + Lab)
  - BIOL 1407 Biology for Science Majors II (Lecture + Lab)
- Humanities-040
  - Select three hours of Humanities
  - Visual and Performing Arts-050
  - Select three hours of Visual and Performing Arts
- U.S. History-060
  - HIST 1301 United States History I
  - HIST 1302 United States History II
- Political Science-070
  - GOVT 2305 Federal Government
  - GOVT 2306 Texas Government
- Social and Behavioral Sciences-080
  - Select three hours of Social and Behavioral Sciences
  - University Option-090
  - CHEM 1411 General Chemistry I

**Lower Major Requirements**

- BIOL 2421 Microbiology for Science Majors
- CHEM 2423 Organic Chemistry I (Lecture + Lab)
- CHEM 2425 Organic Chemistry II (Lecture + Lab)
- PHYS 1401 College Physics I

**Biology Major Courses**

- BIOL 3452 Principles of Genetics
- BIOL 3380 Research Methods
- BIOL 4380 Evolution
- BIOL 4395 Biology Capstone
- CHEM 4430 Biochemistry I
- MATH 3350 Principles of Bio-Statistics

**Additional Electives**

- Any level electives

**Concentration Requirements (See Below)**

**Total Semester Credit Hours**

1. Refer to General Education Core Requirements for more information.
2. Courses must be completed with a "C" or better.

### Concentration Requirements

#### With Biotechnology Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4451</td>
<td>Bioinformatics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4470</td>
<td>Cell Biology</td>
<td>4</td>
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<tr>
<td>BIOL 4471</td>
<td>Molecular Biology</td>
<td>4</td>
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<tr>
<td>BIOL 4475</td>
<td>Proteomics</td>
<td>4</td>
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<tr>
<td>CHEM 3415</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4415</td>
<td>Instrumental Analysis</td>
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<tr>
<td>Choose eight hours from the following</td>
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<tr>
<td>BIOL 4372</td>
<td>Virology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4373</td>
<td>Immunology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4386</td>
<td>Special Topics in Biology</td>
<td></td>
</tr>
<tr>
<td>or CHEM 443</td>
<td>Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

1. Courses must be completed with a "C" or better.

#### With Organismal Biology Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3401</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3315</td>
<td>Advanced Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3318</td>
<td>Animal Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3430</td>
<td>Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3420</td>
<td>Entomology</td>
<td>4</td>
</tr>
<tr>
<td>or BIOL 3440</td>
<td>Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3445</td>
<td>Comparative Vertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4346</td>
<td>Animal Behavior</td>
<td>3</td>
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<tr>
<td>Choose seven credits from the following</td>
<td>7</td>
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<tr>
<td>BIOL 3420</td>
<td>Entomology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 3440</td>
<td>Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4470</td>
<td>Cell Biology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4471</td>
<td>Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4372</td>
<td>Virology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4373</td>
<td>Immunology</td>
<td></td>
</tr>
<tr>
<td>or BIOL 4386</td>
<td>Special Topics in Biology</td>
<td></td>
</tr>
<tr>
<td>or CHEM 443</td>
<td>Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

1. Courses must be completed with a "C" or better.

#### With Ecology / Conservation Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 3401</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3440</td>
<td>Invertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3430</td>
<td>Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4301</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4302</td>
<td>Restoration Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4346</td>
<td>Animal Behavior</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4431</td>
<td>Biochemistry II</td>
<td>4</td>
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</table>
Choose seven credits from the following

BIOL 3318 Animal Physiology
or BIOL 3420 Entomology
or BIOL 3445 Comparative Vertebrate Zoology
or BIOL 4470 Cell Biology
or BIOL 4389 Special Topics in Biology

Total Semester Credit Hours 32

2 Courses must be completed with a "C" or better.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements
Students will be admitted into the Biology major by the faculty once the application criteria are met. To be accepted into the Biology program, students must:

- Have an overall GPA of 2.75 or higher.

Program Level Student Learning Outcomes

1. Integrate concepts among biological sub disciplines to understand complex biological pneumonia.

2. Describe the scientific method and evaluate benefits and limitations of different research designs as employed in the biological sciences.

3. Apply the results of scientific research to practical applications in the biological sciences.

4. Apply statistical methods to interpret the results of research.

5. Summarize and explain research findings through oral and written communication.

6. Critically evaluate scientific research in the biological sciences.

7. Employ critical thinking skills to distinguish between real biological science and pseudoscience.

8. Demonstrate the ability to read and critically analyze scientific research papers.

B.S. Computer Information Systems

Common Courses (105 Credits)
Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
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<tr>
<td>ENGL 1302</td>
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<tr>
<td>Mathematics-020</td>
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</table>

Select three hours of Mathematics 3

Natural Sciences-030
Select six hours of Natural Sciences 6

Humanities-040
Select three hours of Humanities 3

Visual and Performing Arts-050
Select three hours of Visual and Performing Arts 3

U.S. History-060

HIST 1301 United States History I 3

HIST 1302 United States History II 3

Political Science-070

GOVT 2305 Federal Government 3

GOVT 2306 Texas Government 3

Social and Behavioral Sciences-080
Select three hours of Social and Behavioral Sciences 3

University Option-090

ECON 2302 Principles of Microeconomics 3

Select one of the following

<table>
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<tr>
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<tbody>
<tr>
<td>SPCH 1311 Introduction to Speech Communication</td>
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</tr>
<tr>
<td>or SPCH 1315 Public Speaking</td>
<td></td>
</tr>
<tr>
<td>or SPCH 1321 Business &amp; Professional Communication</td>
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</table>

Major Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>CIS 3360 Ethics in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4351 IS Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4341 Information Technology Security and Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 3315 Web Site Development and Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 4360 Strategic Information Systems</td>
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</tr>
<tr>
<td>CIS 3347 Data Communications and Infrastructure</td>
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<td>CIS 3365 System Analysis and Design</td>
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<tr>
<td>CIS 4301 Database Theory and Practices</td>
<td>3</td>
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<td>CIS 4350 Management Information Systems</td>
<td>3</td>
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<tr>
<td>BUSI 3311 Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3301 Principles of Management</td>
<td>3</td>
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</table>

Select one of the following 3

<table>
<thead>
<tr>
<th>Course</th>
<th></th>
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<tbody>
<tr>
<td>CIS 3300 Computer Technology and Impact Computing</td>
<td></td>
</tr>
<tr>
<td>or COSC 130 Introduction to Computing</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following 3

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CIS 3330 C++ Programming</td>
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<tr>
<td>or CIS 3331 Visual Basic Programming</td>
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<tr>
<td>or CIS 3332 Java Programming</td>
<td></td>
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<tr>
<td>or COSC 132C Programming I</td>
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<tr>
<td>or COSC 131 Fundamentals of Programming</td>
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</table>

Select one of the following 3

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CIS 3303 Programming Logic and Design</td>
<td></td>
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<tr>
<td>or COSC 130 Programming Logic &amp; Design</td>
<td></td>
</tr>
<tr>
<td>or BCIS 1305 Intro to Program Logic &amp; Desig</td>
<td></td>
</tr>
</tbody>
</table>

Computer Information Systems Electives

Any level CIS electives 6

Upper level CIS elective 3

Electives

Any level electives 12
Concentration Requirements (See Below) 15

Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Concentration Requirements

Without Concentration

Advanced CIS or CS Electives 15

Total Semester Credit Hours 15

With a Concentration in Business Analytics

CIS 3302 Introduction to Business Analytics 3
CIS 3306 Data Visualization 3
CIS 4302 Advanced Business Analytics 3
CIS 4303 Data Mining 3
CIS 4352 Structured Query Language 3

Total Semester Credit Hours 15

With a Concentration in Information Technology Security

CIS 4342 Computer Security Principles and Practices 3
CIS 4345 Network and Systems Security 3
CIS 4346 Applied Security 3
CIS 4348 Security Trends and Malware Analysis 3
CIS 3361 Introduction to Computer Forensics 3

Total Semester Credit Hours 15

With a Concentration in Management and Networking

CIS 3305 Operating Systems Theory and Practice 3
CIS 4335 UNIX Systems Administration and Programming 3
CIS 4345 Network and Systems Security 3
CIS 4376 Network Administration 3
CIS 4378 Comprehensive Networking 3

Total Semester Credit Hours 15

With a Concentration in Software Engineering and Database Design

CIS 3340 Advanced C++ Programming 3
or CIS 3341 Advanced Visual Basic Programming
or CIS 3342 Advanced Java Programming
or CIS 3343 C# Programming for Windows and the Web
CIS 3351 Data Structures 3
CIS 4340 Algorithm Design and Analysis 3
CIS 4352 Structured Query Language 3
CIS 4379 Software Engineering for E-Business 3

Total Semester Credit Hours 15

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program- Level Student Learning Outcomes

1. Demonstrate ability to orally communicate effectively on technical and non-technical subjects in computer information systems.
2. Demonstrate ability to write effectively on technical and non-technical subjects in computer information systems.
3. Work well independently and as a part of diverse teams.
4. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives and produce a well-reasoned resolution.
5. Analyze business requirements and design appropriate information systems solutions.
6. Identify and evaluate information systems solutions for business situations and select optimal solutions to meet the organization’s needs.
7. Demonstrate an ability to apply general knowledge and skills related to data communications and infrastructure solutions to an organization’s information needs.
8. Demonstrate an ability to apply general knowledge and skills related to software application solutions to an organization’s information systems needs.
9. Demonstrate an ability to apply general knowledge and skills related to database solutions to an organization’s information systems needs.

Business Analytics Concentration

1. Demonstrate a depth of knowledge and skills relating to the application of business analytics.

Information Technology Security Concentration

1. Demonstrate a depth of knowledge and skills relating to the application of information technology security.

Management and Networking Concentration

1. Demonstrate a depth of knowledge and skills relating to the application of networking and management.

Database and Software Engineering Concentration

1. Demonstrate a depth of knowledge and skills relating to the application of software engineering.
2. Demonstrate a depth of knowledge and skills relating to the application of database technologies.

B.S. Computer Science

General Education Requirements

Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
MATH 2413  Calculus I  4
Natural Sciences-030
PHYS 2325  University Physics I (PHYS 2125 Lab Required)  4
or PHYS 2425  University Physics I
PHYS 2326  University Physics II (PHYS 2126 Lab Required)  4
or PHYS 2426  University Physics II

Humanities-040
Select three hours of Humanities  3
Visual and Performing Arts-050
Select three hours of Visual and Performing Arts  3
U.S. History-060
HIST 1301  United States History I  3
HIST 1302  United States History II  3
Political Science-070
GOVT 2305  Federal Government  3
GOVT 2306  Texas Government  3
Social and Behavioral Sciences-080
Select three hours of Social and Behavioral Sciences  3
University Option-090
MATH 2314  Calculus II  3

Major Course Requirements
COSC 1315  Fundamentals of Programming  3
COSC 1336  Programming Fundamentals I  3
COSC 1337  Programming Fundamentals II  3
Select one of the following
MATH 3300  Principles of Statistics  3
or MATH 1342  Elementary Statistical Methods
Select one of the following
MATH 3310  Discrete Mathematics  3
or MATH 2305  Discrete Mathematics
COSC 3343  Computer Architecture  3
COSC 3351  Data Structures  3
COSC 3380  Operating Systems  3
COSC 4301  Database Theory and Practices  3
COSC 4340  Analysis of Algorithms  3
COSC 4341  Information Technology Security and Risk Management  3
COSC 4378  Computer Networks  3
CIS 3360  Ethics in Computing  3
CIS 4379  Software Engineering for E-Business  3
Select one of the following
CIS 3330  C++ Programming  3
or CIS 3332  Java Programming
or CIS 3343  C# Programming for Windows and the Web
or CIS 3342  Advanced Java Programming
or CIS 3340  Advanced C++ Programming
Select one of the following
MATH 3360  Numerical Analysis I  3
or MATH 3332  Linear Algebra

Electives
Any level electives  6

3000-4000 level electives (faculty approval required)  24
Total Semester Credit Hours  120

1 Refer to General Education Core Requirements for more information.
2 A student may need to take foundation courses such as algebra, trigonometry, or pre-calculus before taking the required calculus courses. A student may apply up to 6 hours of these foundation courses as electives in the Lower-level Course Requirements.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes
1. Demonstrate ability to orally communicate effectively on technical and non-technical subjects in computer science.
2. Demonstrate ability to write effectively on technical and non-technical subjects in computer science.
3. Work well as a part of diverse teams.
4. Evaluate the implications of an ethical dilemma from a variety of ethical frameworks/perspectives and produce a well-reasoned resolution.
5. Analyze business situations and design appropriate computer science solutions.
6. Evaluate computer science requirements for business situations and select optimal solutions.
7. Demonstrate a competency of theories, terms, and skills to address complex software development design problems.
8. Demonstrate a knowledge of current technology in computer science.

B.S. Criminal Justice

General Education Requirements 1
Communication-010
ENGL 1301  Composition I  3
ENGL 1302  Composition II  3
Mathematics-020
Select three hours of Mathematics  3
Natural Sciences-030
Select six hours of Natural Sciences  6
Humanities-040
Select three hours of Humanities  3
Visual and Performing Arts-050
Select three hours of Visual and Performing Arts  3
U.S. History-060
HIST 1301  United States History I  3
HIST 1302  United States History II  3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3

Social and Behavioral Sciences-080
Select three hours of Social and Behavioral Sciences 3

University Options-090
Select three hours that meet one of the core component areas above 3
Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication

Course Requirements
CRIJ 1301 Introduction to Criminal Justice 3
CRIJ 1306 Court Systems & Practices 3
CRIJ 2328 Police Systems & Practices 3
CRIJ 1310 Fundamentals of Criminal Law 3
CRIJ 2313 Correctional Systems & Practices 3
CRIJ 3305 Criminology 3
CRIJ 3310 Criminal Justice Supervision and Management 3
CRIJ 3315 Criminal Evidence 3
CRIJ 4312 Criminal Justice Ethics 3
CRIJ 4316 Methods of Criminal Justice Research 3
CRIJ 4395 Criminal Justice Senior Seminar 3
SOC 3300 Social Science Proseminar 3
SOCI 3303 Race and Ethnic Relations 3

Select one of the following
SOCI 4315 Social Science Statistics 3
or PSYC 3330 Statistics for the Behavioral Science
or CRIJ 4315 Criminal Justice Statistics

Criminal Justice Electives
300-400 level Criminal Justice electives 12
Any level electives 6

Minor Field
Any level minor field course from the selected minor discipline 12
Upper level minor field courses from the selected minor discipline 6

Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Explain concepts, major criminological theories, empirical findings, and trends in criminal justice.
2. Apply legal and ethical principles to the practice of criminal justice.
3. Describe the structure and functioning of institutions in criminal justice.
4. Identify the racial and ethnic issues associated with the practice of criminal justice.

B.S. Interdisciplinary Studies

Teacher Education Program
Teacher Education, one of the major programs at Texas A&M University-Central Texas (A&M-Central Texas), emphasizes broad general education as a foundation for mastery of teaching skills and specialized knowledge in an academic discipline. The primary purpose of teacher education is to prepare highly qualified teachers for employment in Texas and the nation. The goal of Teacher Education Program is to develop teachers who:
1. Possess appropriate knowledge and abilities in specific content areas or teaching fields;
2. Communicate effectively with students, parents, and other professionals;
3. Apply the principles of instructional planning in the development of curriculum;
4. Use effective teaching practices;
5. Formally and informally evaluate student performance and use results of such assessment in the instructional decision-making process;
6. Promote critical thinking and participatory citizenship;
7. Are skilled in the use of instructional technology;
8. Are proficient in mathematical skills;
9. Operate within the legal guidelines and uphold the ethics of the teaching profession;
10. Demonstrate concern for students’ general welfare; and
11. Are committed to continued professional growth and development.

A student must meet THEA or Stanford Achievement Test (for students who are deaf) requirements prior to admission into the teacher education program. Access A&M-Central Texas’s Title II Institutional Report on the Title II Website (https://title2.ed.gov/Public/Report/StateHome.aspx).

Admission to the Teacher Education Program
https://www.tamuct.edu/educator-preparation-services/forms.html

Secondary and All-Level Certification
1. Formal application for admission to the Teacher Education Program should be made by the student during the first semester of the junior year while enrolled in EDUC 3320 Professional Development in Learner Centered Schools. Application deadlines are the last Monday in September for the Fall semester, February 13 for the Spring semester, and June 15 for the Summer semester. Formal admission to the program is a prerequisite to taking any professional development courses beyond EDUC 3320 Professional Development in Learner Centered Schools.
2. The student must submit the following items to the admissions officer in the Educator Preparation Services no later than 5:00 p.m. on the application deadline date:
a. A completed Student Checklist for Application for Admission to the Teacher Education Program;
b. A completed application;
c. Official transcripts;
d. An acknowledgement/Responsibility Form (dated, with advisor and student’s signatures);
e. Substitution forms (if applicable) dated and with all required signatures;
f. A detailed degree evaluation.

3. Only applicants who meet the following minimum academic standards will be considered for admission to the Teacher Education Program:
   a. Minimum 2.75 grade point average (GPA) overall or over the last 60 hours;
   b. Must have completed the following with no grade lower than "C":
      • Professional education coursework
      • Emphasis/Supplemental coursework
      • 12 hours of university-required English
      • Coursework in PSYC 3303 Educational Psychology or PSYC 2308 Child Psychology or FCS 3300 Child Development
      • MATH 1314 College Algebra
   c. Current enrollment in:
      • Professional Development I (EDUC 3320 Professional Development in Learner Centered Schools)
   d. Completion of:
      • Educational Psychology (PSYC 3303 Educational Psychology or PSYC 2308 Child Psychology or FCS 3300 Child Development)
      • 12 hours of university-required English
      • 60 semester hours of coursework (excluding developmental courses)
      • One full semester at A&M-Central Texas
   e. Minimum requirements of the THEA test (Minimum acceptable scores on ACCUPLACER, ASSET, or Compass will also be accepted);
   f. Evidence of good moral character and the mental, emotional, and physical ability to function effectively in a classroom;
   g. Completion of a minimum of 15 semester hours in the major certificate area with a grade of "C" or better and a 2.75 GPA at the time of application;
   h. A grade of "C" or better on all coursework in the major certificate area;
   i. Successful completion of the professional interview and writing sample;
   j. Successful completion of the departmental screening instrument.

The applicant will receive written notification from the chair of the Educator Preparation Council (EPC) regarding his/her acceptance into the Teacher Education Program. For the most current admission requirements, see online Handbook for Teacher Certification (https://www.tamuct.edu/educator-preparation-services/forms.html).

Note: The State Board for Educator Certification may require disclosure of previous arrest, conviction, and/or deferred adjudication and may refuse to issue an educator certificate for a person who has been convicted of a felony or misdemeanor for a moral turpitude crime which relates to the teaching function.

Pursuant to §22.082, Texas Education Code, the State Board for Educator Certification may access any criminal history information pertaining to you and held by any law enforcement or criminal justice agency. The State Board for Educator Certification may refuse to confer state certification based on such criminal history information.

Pursuant to §22.083, Texas Education Code, a school district or private school may access any criminal history information pertaining to you and held by any law enforcement or criminal justice agency.

A school district or private school may refuse to provide a placement for field experience or employ you based on your criminal history. A school district or private school must report to the State Board for Educator Certification if the school district or private school obtains or has knowledge that an applicant or holder of an educator certificate has a criminal history.

Interdisciplinary Studies and Elementary Certification

1. A formal application for admission to the Teacher Education Program should be made by the student during the first semester of the junior year while enrolled in EDUC 3320 Professional Development in Learner Centered Schools. Application deadline dates are the last Monday of September for the Fall semester, February 13 for the Spring semester, and June 15 for the Summer semester. Formal admission to this program is a prerequisite to taking any professional development courses beyond EDUC 3320 Professional Development in Learner Centered Schools.

2. The following criteria must be met for admission to the Teacher Education Program as an Interdisciplinary Studies major:
   a. Minimum 2.75 GPA overall or over the last 60 hours;
   b. No grade lower than "C" in the following:
      • Professional education coursework
      • Reading
      • Emphasis/Supplemental coursework
      • 12 hours of university-required English
      • Coursework in PSYC 3303 Educational Psychology or PSYC 2308 Child Psychology or FCS 3300 Child Development
   c. Completion of the following:
      • Educational Psychology (PSYC 3303 Educational Psychology or PSYC 2308 Child Psychology or FCS 3300 Child Development)
      • 12 hours of university-required English
      • College Algebra (MATH 1314 College Algebra or above)
      • 60 semester hours of coursework (excluding developmental courses)
      • One full semester at A&M-Central Texas
   d. Minimum requirements of the TASP/THEA test (Minimum acceptable scores on ACCUPLACER, ASSET, or Compass will also be accepted);
   e. Evidence of good moral character and the mental, emotional, and physical ability to function effectively in a classroom;
f. Completion of a minimum of 12 semester hours in the major certificate area with a grade of "C" or better and a 2.75 GPA at the time of application;

g. A grade of "C" or better on all coursework in the major certificate area;

h. Successful completion of the professional interview and writing sample;

i. Completion of departmental screening.

Recommendation for Admission to Teacher Education

Interviews are conducted by two-member teams comprised of A&M-Central Texas faculty and/or invited public school educators. Students are asked questions similar to those that might be asked in a job interview, and the responses are evaluated according to established interview criteria (oral communication, thought processes, leadership potential, and human interaction). Students should expect interviews to last approximately 15-20 minutes.

After the interviews, the candidates are asked to respond to writing prompts. Candidates are also allowed to provide, in writing, any explanations or additional thoughts that may have emerged after the interview. The writing samples are graded according to established criteria (mechanics, organization of content, and appropriateness of content).

Only those applicants who are selected by the Educator Preparation Council (EPC) and have maintained the academic standards listed above are recommended for admission to the Teacher Education Program. At the beginning of the semester following selection, the EPC members vote on those candidates recommended for admission to the program. Should limitations on resources require restrictions to be placed on the number of students admitted in a given semester or year, the EPC admits students based on a total score, which is an aggregate of all the above criteria. Students not admitted must reapply.

Retention in the Teacher Education Program

Retention in the Teacher Education Program requires maintenance of the standards required for admission, plus evidence of satisfactory academic progress and professional development. If the above-stated criteria for admission and retention are not maintained, a student receives written notification from the Certification Officer, and is placed on probation for one long semester. If the deficiency is not corrected by the end of the probationary period, the student will be removed from the program and must reapply for admission to the Teacher Education Program to be eligible for enrollment in additional professional education courses.

A&M-Central Texas reserves the right to monitor a student's professional ethics according to those standards specified in the Code of Ethics and Standard Practices for Texas Educators (adopted by the Teachers' Professional Practice Commission, revised November 22, 2010) as it relates to the performance of his or her role as a student teacher or in a field-based activity in the elementary or secondary schools. Appropriate disciplinary action, which may include removal from the Teacher Education Program, may be instituted for violations of ethical conduct or professionalism.

Admission to Clinical Teaching

Prior to admission to student teaching, students must be admitted to the Teacher Education Program (see "Admission to the Teacher Education Program"). Students are urged to study the requirements for admission and retention in the program. Application for student teaching must be submitted to the Coordinator of Field Placement no later than October 15 of the Fall semester or February 15 of the Spring semester prior to the corresponding Fall or Spring semester in which the student expects to student teach. (i.e., an application for student teaching must be submitted one year before the semester in which the student expects to student teach).

Candidates for certification who do not satisfactorily complete student teaching are automatically dropped from the Teacher Education Program. In order to regain eligibility for student teaching and be recommended for certification, a candidate must reapply and be admitted to the Teacher Education Program.

To be admitted to clinical teaching, all admission requirements to the Teacher Education Program must be maintained. Before being admitted to the Practicum in Teaching Program, each student must also meet the following requirements:

1. Senior classification and prior admission to the Teacher Educator Program;

2. A minimum GPA of 2.75 on all coursework that is listed and has been completed on the certification plan;

3. Formal approval of the Educator Preparation Council;

4. Removal of all incomplete grades prior to the first class day of the semester in which the student teaching is done;

5. Completion of any Growth Plan requirements.

In addition, each intern must meet specific program requirements found below.

Additional requirements for students (EC-6 Generalist w/ESL)

1. Completion of EDUC 3320 Professional Development in Learner Centered Schools, EDUC 3330 Professional Development II: Effective Instruction, EDUC 4304 Early Childhood Environments Professional Development III, and SPED 3361 Survey Exceptional Learners with minimum GPA of 2.75 and no grade lower than "C";

2. Completion of at least 21 hours of Generalist course work with a minimum GPA of 2.75 and no grade lower than a "C";

3. Completion of READ 3311 Reading I: Reading Acquisition and Development, READ 3335 Content Area Reading, READ 3330 Reading II: Assessment, Instruction and Reader Development, READ 4304 Reading and Writing Across the Curriculum, and READ 4305 Implement Classroom Reading Instruction with a minimum GPA of 2.75 and no grade lower than a "C".

Additional requirements for students (All-Level Special Education w/ EC-6 Generalist w/ESL)

1. Completion of EDUC 3320 Professional Development in Learner Centered Schools, EDUC 3330 Professional Development II: Effective Instruction, and EDUC 4304 Early Childhood Environments Professional Development III with minimum GPA of 2.75 and no grade lower than a "C";

2. Completion of at least 15 hours of Generalist course work with a minimum GPA of 2.75 and no grade lower than a "C";

3. Completion of READ 3311 Reading I: Reading Acquisition and Development, READ 3335 Content Area Reading, READ 3330 Reading II: Assessment, Instruction and Reader Development, READ 4304 Reading and Writing Across the Curriculum, and READ 4305
Implement Classroom Reading Instruction with a minimum GPA of 2.75 and no grade lower than a "C".
4. Completion of 18 hours of required Special Education coursework with a minimum GPA of 2.75 and no grade lower than a "C".

Additional requirements for students (4-8/Middle School Emphasis)
1. Completion of EDUC 3320 Professional Development in Learner Centered Schools, EDUC 3330 Professional Development II: Effective Instruction, and EDUC 4330 Professional Development III with a minimum GPA of 2.75 and no grade lower than a "C";
2. Completion of at least 20 hours of single academic emphasis coursework with a minimum GPA of 2.6 and no grade lower than a "C"; or completion of at least 42 hours in composite emphasis coursework with a minimum GPA of 2.75 and no grade lower than a "C";
3. No grade lower than a "C" and a minimum GPA of 2.75 in the teaching field(s) or supplemental coursework;
4. Completion of at least 75% of the hours in each teaching field, or supplemental coursework (specific information may be obtained in the Educator Preparation Services Office);
5. A GPA of 2.75 on all coursework that is listed and has been completed on the certificate plan;
6. Removal of all incomplete grades prior to the first day of class of the semester during which student teaching is done;
7. Presentation and/or documentation of acceptable professional development and leadership activities. Requirements are available from individual departments.

Secondary All-Level 1
1. Senior classification and prior admission to the Teacher Education Program;
2. Completion of EDUC 3320 Professional Development in Learner Centered Schools, EDUC 3330 Professional Development II: Effective Instruction, EDUC 4330 Professional Development III, PSYC 2308 Child Psychology or PSYC 3303 Educational Psychology or FCS 3300 Child Development, and READ 3335 Content Area Reading with a minimum GPA of 2.75 and no grade lower than a "C";
3. A GPA of 2.75 and no grade lower than a "C"; or completion of at least 42 hours in composite emphasis coursework with a minimum GPA of 2.75 and no grade lower than a "C";
4. Completion of at least 75% of the hours in each teaching field, or supplemental coursework (specific information may be obtained in the Educator Preparation Services Office);
5. A GPA of 2.75 on all coursework that is listed and has been completed on the certificate plan;
6. Removal of all incomplete grades prior to the first day of class of the semester during which student teaching is done;
7. Presentation and/or documentation of acceptable professional development and leadership activities. Requirements are available from individual departments.

Placement of CLINICAL Teachers
The Field Experience Coordinator governs the placement of student teachers. Student teaching must be accomplished under the supervision of A&M-Central Texas in a school approved by the Coordinator of Field Placement.

Obtaining a Teaching Certificate
The Certification Officer must verify the following before a student is recommended for certification
1. Completion of all coursework on a Certificate Plan;
2. Written documentation and advisor approval for course substitutions;
3. Minimum 2.75 GPA met in all required areas on certificate plan (professional development, certificate area, reading [if applicable], and overall);
4. Minimum of 120 total semester hours;
5. Minimum of 30 semester hours at A&M-Central Texas;
6. A degree conferred;
7. Passing score on all TExES/BTLPT/LOTE required exams for initial certification.

Students receive information from the Educator Preparation Services Office regarding the procedures for applying for a standard teaching certificate once the verification of requirements is completed.

Testing For Certification
Students must obtain a passing score on all required examinations prior to applying for certification. Depending on the certificate sought, students may be required to take two or more examinations.
1. Testing begins the semester before clinical teaching;
2. Departmental approval must be granted in order for a student to be cleared to register;
3. Students should contact their academic department to verify when they are eligible to begin taking content tests and the Coordinator for Certification Testing to verify when they are eligible to take the Pedagogy & Professional Responsibilities exam;
4. Students must continue to retake a failed test at each subsequent test administration until they are successful or the limit has been reached.

Students are provided with certification test registration information during the semester prior to student teaching. The testing schedule is provided and registration for the applicable test is completed in accordance with that schedule. Test authorization must be given by the university testing coordinator before students can register for a test.

Transfer Students
A&M-Central Texas welcomes students who transfer credits from other universities or neighboring community colleges. Through the Bachelor of Science in Interdisciplinary Studies, students can obtain the needed coursework to test for elementary certification. Students will be assigned to a specific academic advisor to evaluate transfer credits and plan a course of study. Transfer students should contact the Department of Curriculum and Instruction (C&I) at (254)519-5485.

Transfer students working toward secondary and all-level certification receive advising in the academic department of their major. Information about education courses and all-level certification requirements may be obtained by contacting C&I at (254)519-5485.

Policies that govern the acceptance of transfer credit toward teacher certification include the following:
1. All transfer students are required to submit official transcripts to the University Admissions Office for analysis;
2. Transfer students from other Texas institutions and institutions in other states are expected to meet A&M-Central Texas's program requirements for certification;
3. Academic advisors and the Certification Officer reserve the right to disallow coursework on certification plans taken more than seven years ago. Because of changing certification requirements, it is possible that previous coursework taken for certification will not count toward the current application;
4. Professional Development coursework will not be accepted for transfer credit or as a substitute for A&M-Central Texas's Teacher
Education Program requirements. All students must meet all institutional requirements for the degree and for certification;
5. A minimum of one-third of the semester hours required in each teaching field or area of specialization sought must be completed at A&M-Central Texas.

Note: Individuals who have a degree and a valid teaching certificate from another state and who seek Texas teacher certification must apply directly to the State Board for Educator Certification to obtain their credentials.

Texas A&M University-Central Texas Warranty for First-Year Teachers

Because A&M-Central Texas believes that teacher education is a collaborative process between the University and public schools, and because this University is dedicated to achieving excellence in teacher education, the teaching performance of all A&M-Central Texas graduates is warranted by the University. Should a graduate of A&M-Central Texas’s Teacher Education Program receive a T-TESS rating that is less than “satisfactory” on his/her first year annual appraisal, the University will provide additional professional development aimed at remediating deficiencies at no additional cost to the individual or district.

Provisions
1. The warranty applies only to first-year Texas teachers who graduated from A&M-Central Texas within the preceding 12 months;
2. To be eligible for the professional development remediation, the teacher must have received a domain rating(s) of “below expectations” or “unsatisfactory” on his/her first year annual appraisal;
3. All requests for services must be in writing from the superintendent of schools;
4. In cooperation with the school district, a professional growth plan will be developed and the professional development program will address those requirements. The program will be limited to one summer and will not include the cost of room and board.

Secondary and All-Level Education

Students working toward secondary and all-level certification will pursue a Bachelor of Arts or Bachelor of Science degree with a major and minor, if applicable, in academic disciplines. Students also take professional education courses to meet certification requirements. Though not offering a major in secondary education, the Department of C&I does offer the professional development courses required to obtain secondary certification.

Students obtain academic advisement for secondary certification programs in the department of their major. Prior to application for admission to the Teacher Education Program, secondary certification candidates must be in contact with an advisor in the Teacher Education Program. Application for admissions must be made during the first semester of the junior year while enrolled in EDUC 3320 Professional Development in Learner Centered Schools. Prior to enrolling in any teacher education courses, students must complete a minimum of 60 hours of coursework, excluding developmental courses.

Common Courses (81 Credits)

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

<table>
<thead>
<tr>
<th>General Education Requirements</th>
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<tbody>
<tr>
<td>Communication-010</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>3</td>
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<tr>
<td>MATH 1314 College Algebra</td>
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</tr>
<tr>
<td>Natural Sciences-030</td>
<td>3</td>
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<td>Choose one of the following</td>
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<tr>
<td>PHYS 1405 Elementary Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 1415 Physical Science I (Lecture + Lab)</td>
<td>4</td>
</tr>
<tr>
<td>Any Lab Science</td>
<td>4</td>
</tr>
<tr>
<td>Humanities-040</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore English</td>
<td>3</td>
</tr>
<tr>
<td>Visual and Performing Arts-050</td>
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</tr>
<tr>
<td>EDUC 3360 The Arts for Educators</td>
<td>3</td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301 United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302 United States History II</td>
<td>3</td>
</tr>
<tr>
<td>Political Science-070</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2305 Federal Government</td>
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<tr>
<td>GOVT 2306 Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>University Option-090</td>
<td>3</td>
</tr>
<tr>
<td>Any Biology with Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses in the Major</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MATH 3303 Concepts of Elementary Math I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3305 Concepts of Elementary Math II</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Reading Courses</th>
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<tbody>
<tr>
<td>READ 3320 Fundamentals of Teaching Reading</td>
<td>3</td>
</tr>
<tr>
<td>READ 4304 Reading and Writing Across the Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>READ 4305 Implement Classroom Reading Instruction</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Teacher Certification Preparation Courses</th>
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<tbody>
<tr>
<td>SPED 3361 Survey Exceptional Learners</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>EDUC 3320</td>
<td>Professional Development in Learner Centered Schools</td>
</tr>
<tr>
<td>EDUC 3325</td>
<td>Fundamentals of Bilingual and English as a Second Language Education</td>
</tr>
<tr>
<td>EDUC 3330</td>
<td>Professional Development II: Effective Instruction</td>
</tr>
<tr>
<td>EDUC 4304</td>
<td>Early Childhood Environments Professional Development III</td>
</tr>
<tr>
<td>EDUC 4335</td>
<td>Issues in Professional Development</td>
</tr>
<tr>
<td>EDUC 4691</td>
<td>Clinical Teaching</td>
</tr>
<tr>
<td>READ 3335</td>
<td>Content Area Reading</td>
</tr>
</tbody>
</table>

**Concentration Requirements**

**With Early Childhood - 6th grade Generalist with English as a Second Language Teacher Certification Preparation**

**Concentration General Education Requirements**

- Social and Behavioral Sciences-080
- GEOG 1303 World Regional Geography 3

**Required courses in the Concentration**

- Choose one of the following
  - ECON 2301 Principles of Macroeconomics 3
  - or ECON 2302 Principles of Microeconomics 3
- Choose one of the following
  - TECA 1303 Families, School, & Community 3
  - or EDUC 2301 Introduction to Special Populations 3
- PSYC 3303 Educational Psychology 3
- MATH 4305 Concepts of Elem Math III 3
- HLTH 3351 Principles of Health and Fitness for Children 3
- EDUC 3340 Mathematics Instruction for Classroom Teachers 3
- EDUC 3350 Science Instruction for Classroom Teachers 3
- EDUC 4320 Social Studies Instruction for Teachers 3
- EDUC 4325 History for Educators 3
- EDUC 4340 Technology Application and Integration for Classroom Teachers 3

**Additional Courses for Degree / Certification**

- EDUC 4340 Technology Application and Integration for Classroom Teachers 3
- ENGL 3320 Advanced Grammars 3
- or ENGL 3330 Advanced Composition 3
- EDUC 1301 Introduction to the Teaching Profession 3
- Any Level Elective 2
- Any Level Music Elective 3

**Total Semester Credit Hours** 39

**With Early Childhood - 6th grade Generalist with Vocal Music Teacher Certification Preparation**

**Concentration General Education Requirements**

- PSYC 3303 Educational Psychology 3

**Required courses in the Concentration**

- Choose one of the following
  - MUSI 3263 Form & Analysis 2
  - MUSI 3137 Percussion 1
  - MUSI 3343 Computer Assisted Electronic Music 3
  - MUSI 3264 Orchestration 2
  - MUSI 4105 Beginning Conducting 1
  - MUSI 4207 Advanced Conducting 2
  - MUSI 4326 Elementary Music Methods 3
  - MUSI 4095 Senior Recital 0
  - MUSI 3155 Vocal Class (Instrumental Majors) 1
  - MUSI 3133 Woodwind Class 1
  - MUSI 3134 Brass Class 1
  - MUSI 3138 String Class 1
  - MUSI 3129 Intermediate & Advanced Band Repertoire 1
  - MUSI 4327 Instrumental & Marching Methods 3
- MUSI 3263 Form & Analysis 2
- MUSI 3137 Percussion 1
- MUSI 3343 Computer Assisted Electronic Music 3
- MUSI 3264 Orchestration 2
- MUSI 4105 Beginning Conducting 1
- MUSI 4207 Advanced Conducting 2
- MUSI 4326 Elementary Music Methods 3
- MUSI 4095 Senior Recital 0
- MUSI 3155 Vocal Class (Instrumental Majors) 1
- MUSI 3133 Woodwind Class 1
- MUSI 3134 Brass Class 1
- MUSI 3138 String Class 1
- MUSI 3129 Intermediate & Advanced Band Repertoire 1
- MUSI 4327 Instrumental & Marching Methods 3

**Total Semester Credit Hours** 39

**With Early Childhood - 6th grade Generalist with Instrumental Music Teacher Certification Preparation**

**Concentration General Education Requirements**

- Social and Behavioral Sciences-080
- PSYC 3303 Educational Psychology 3

**Required Courses in the Concentration**

- MUSI 3252 Form & Analysis 2
- MUSI 3137 Percussion 1
- MUSI 3343 Computer Assisted Electronic Music 3
- MUSI 3264 Orchestration 2
- MUSI 4105 Beginning Conducting 1
- MUSI 4207 Advanced Conducting 2
- MUSI 4326 Elementary Music Methods 3
- MUSI 4095 Senior Recital 0
- MUSI 3155 Vocal Class (Instrumental Majors) 1
- MUSI 3133 Woodwind Class 1
- MUSI 3134 Brass Class 1
- MUSI 3138 String Class 1
- MUSI 3129 Intermediate & Advanced Band Repertoire 1
- MUSI 4327 Instrumental & Marching Methods 3
- MUSI 3161 Diction for Singers 1

**Total Semester Credit Hours** 39
### All-Level Special Education with Early Childhood - 6th grade Generalist Teacher Certification Preparation

**Concentration General Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1303</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses in the Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 2302</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>PSYC 3303</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 3351</td>
<td>Principles of Health and Fitness for Children</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 3340</td>
<td>Mathematics Instruction for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 3350</td>
<td>Science Instruction for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4320</td>
<td>Social Studies Instruction for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4325</td>
<td>History for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4340</td>
<td>Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4362</td>
<td>Special Education Rules and Regulations for Teacher</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4364</td>
<td>Teaching Learners with Developmental Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4383</td>
<td>Teaching Learners with Learning and Behavior Anomalies</td>
<td>3</td>
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**Additional Courses of Degree and Certification**

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 3320</td>
<td>Advanced Grammars</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

39

### With Middle School Language Arts and Social Studies Teacher Certification Preparation

**Concentration General Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1303</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required courses in the Concentration**

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1301</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG 1302</td>
<td>Human Geography</td>
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</tr>
</tbody>
</table>

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 2302</td>
<td>Principles of Microeconomics</td>
<td></td>
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Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 2311</td>
<td>Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 2312</td>
<td>Western Civilization II</td>
<td></td>
</tr>
<tr>
<td>HIST 3322</td>
<td>History of Texas</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Social Science Elective (History, Political Science, or Social Science)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL 3320</td>
<td>Advanced Grammars</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3350</td>
<td>Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3303</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4320</td>
<td>Social Studies Instruction for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4325</td>
<td>History for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4340</td>
<td>Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Courses for Degree / Certification**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3330</td>
<td>Advanced Composition</td>
<td>3</td>
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</tbody>
</table>

**Total Semester Credit Hours**

39

### With Middle School Mathematics Teacher Certification Preparation

**Concentration General Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3303</td>
<td>Educational Psychology</td>
<td>3</td>
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</tbody>
</table>

**Required courses in the Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1342</td>
<td>Elementary Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2312</td>
<td>Pre-Calculus Math</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2313</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3309</td>
<td>Algebraic Function</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4302</td>
<td>College Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4304</td>
<td>Survey of Mathematical Ideas</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4305</td>
<td>Concepts of Elem Math III</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Mathematics Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EDUC 3340</td>
<td>Mathematics Instruction for Classroom Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 4340</td>
<td>Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 3315</td>
<td>Mathematics &amp; Technology</td>
<td></td>
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**Additional courses for Degree / Certification**

Choose one of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 3320</td>
<td>Advanced Grammars</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 3330</td>
<td>Advanced Composition</td>
<td></td>
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</tbody>
</table>

**Total Semester Credit Hours**

39

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

### Program Level Student Learning Outcomes

1. Achieve the necessary knowledge and skills to earn teacher certification in Texas.
2. Be employable as educators in Texas.
3. Demonstrate an understanding of the disciplines studied to earn a baccalaureate degree.

### B.S. Liberal Studies

The Bachelor of Science in Liberal Studies is designed for mature students who seek a flexible degree program and who do not desire or may not meet the prerequisites of a highly structured traditional degree program. This program permits students to plan, with advisement, an individualized program with access to a wide range of academic disciplines and fields of professional study. The program is not designed to provide students with the depth of content in a concentration.
typically sufficient to prepare the student for advanced studies within an academic discipline related to this concentration.

**Common Courses (102 Credits)**

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication-010</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>3</td>
</tr>
<tr>
<td>Select three hours of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences-030</td>
<td>6</td>
</tr>
<tr>
<td>Select six hours of Natural Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Humanities-040</td>
<td>3</td>
</tr>
<tr>
<td>Select three hours of Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Visual and Performing Art-050</td>
<td>3</td>
</tr>
<tr>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301 United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302 United States History II</td>
<td>3</td>
</tr>
<tr>
<td>Political Science-070</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2305 Federal Government</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2306 Texas Government</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
<td>3</td>
</tr>
<tr>
<td>Select three hours of Social and Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>University Option-090</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following</td>
<td></td>
</tr>
<tr>
<td>SPCH 1311 Introduction to Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 1315 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or SPCH 1321 Business &amp; Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select three hours that meets one of the core component areas above</td>
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</tr>
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</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>LIBS 3300 Intro to Liberal Studies</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following</td>
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</tr>
<tr>
<td>CIS 3300 Computer Technology and Impact</td>
<td>3</td>
</tr>
<tr>
<td>or COSC 1301 Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3309 Tech Writing &amp; Document Design</td>
<td>3</td>
</tr>
<tr>
<td>LIBS 4395 Liberal Studies Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

**Secondary Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three hours from the same selected discipline, any level</td>
<td>3</td>
</tr>
<tr>
<td>At least six hours upper-level (3000-4000) courses from a discipline different from the primary concentration</td>
<td>6</td>
</tr>
</tbody>
</table>

**Concentration Requirements**

**Concentration One**

**Primary Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six hours from the same selected discipline, any level</td>
<td>6</td>
</tr>
<tr>
<td>At least 12 hours upper-level courses from the selected discipline</td>
<td>12</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
</tr>
</tbody>
</table>

**Concentration Two**

**Primary Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three hours from the same selected discipline, any level</td>
<td>3</td>
</tr>
<tr>
<td>At least six hours upper-level courses from the selected discipline</td>
<td>6</td>
</tr>
</tbody>
</table>

**Tertiary Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three hours from the same selected discipline, any level</td>
<td>3</td>
</tr>
<tr>
<td>At least six hours upper-level courses from a discipline different from the other concentrations</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
</tr>
</tbody>
</table>

**Course Information and Schedule**

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

**Program-Level Student Learning Outcomes**

1. Demonstrate an understanding of interdisciplinarity.
2. Demonstrate an in-depth academic knowledge of two or three separate disciplines.
3. Research and understand problems and issues from the points of view of various disciplines.
4. Synthesize the knowledge gained into a useful, meaningful, and comprehensive whole.
5. Demonstrate strong writing, critical thinking, and analytical skills.

**B.S. Mathematics**

**Common Courses (81 Credits)**

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication-010</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 1301 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2413 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Natural Sciences-030</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2425 University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>Select four hours of Natural Sciences</td>
<td>4</td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Refer to General Education Requirements for more information.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>United States History II</td>
<td>3</td>
</tr>
<tr>
<td>Political Science-070</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GOVT 2305</td>
<td>Federal Government</td>
<td>3</td>
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<tr>
<td>GOVT 2306</td>
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<td>3</td>
</tr>
<tr>
<td>University Option-090</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses in the Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2414</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2415</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3301</td>
<td>Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3309</td>
<td>Algebraic Function</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3306</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3310</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3311</td>
<td>Probability &amp; Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3315</td>
<td>Mathematics &amp; Technology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3332</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3350</td>
<td>Principles of Bio-Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3370</td>
<td>An Introduction to Linear Programming</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4302</td>
<td>College Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4304</td>
<td>Survey of Mathematical Ideas</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4304L</td>
<td>Survey of Mathematical Ideas Lab</td>
<td>1</td>
</tr>
<tr>
<td>MATH 4309</td>
<td>Advanced Analysis I</td>
<td>3</td>
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<tr>
<td>MATH 4332</td>
<td>Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Concentration Requirements (See Below)</td>
<td></td>
<td>39</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**  120

1 Refer to General Education Core Requirements for more information.
2 Students in teacher certification preparation programs need to pass these courses with a "C" or better.
3 PHYS 2426 University Physics II is recommended.

### Concentration Requirements

#### Without Teacher Certification Preparation

**Concentration General Education Requirements**

- Humanities-040  Select three hours of Humanities  3
- Visual and Performing Arts-050  Select three hours of Visual and Performing Arts  3
- Social and Behavioral Sciences-080  Select three hours of Social and Behavioral Sciences  3

**Required Courses in the Concentration**

- MATH 3360  Numerical Analysis I  3

**Supporting Field**

- 12 hours any level courses within the selected support field  12
- 12 hours upper-level courses within the selected support field  12

**Computer Science Electives**

- Upper-level Computer Science elective  3

**Total Semester Credit Hours**  39

4 Courses for the support field should be chosen from an academic area in which mathematics is applicable and must be selected in consultation with the program coordinator or department chair.

### With 7th-12th Grade Teacher Certification Preparation

**Concentration General Education Requirements**

- Humanities-040  Visual and Performing Arts-050  Select one of the following
  - MUSI 1310  American Music  3
  - or HUMA 1315  Fine Arts Appreciation
  - or DRAM 1310  Introduction to Theatre
- Social and Behavioral Sciences-080  PSYC 2308  Child Psychology  3

**Required Courses in the Concentration**

- EDUC 3325  Fundamentals of Bilingual and English as a Second Language Education  3
- SPED 3361  Survey Exceptional Learners  3

**Required Courses for Professional Development**

- READ 3335  Content Area Reading  3
- EDUC 3320  Professional Development in Learner Centered Schools  3
- EDUC 3330  Professional Development II: Effective Instruction  3
- EDUC 4330  Professional Development III  3
- EDUC 4335  Issues in Professional Development  3
- EDUC 4691  Clinical Teaching  6

**Additional Requirements**

- Choose one of the following:
  - ENGL 3309  Tech Writing & Document Design
  - or Sophomore English

**Total Semester Credit Hours**  39

4 A formal application for admission to the Teacher Education Program should be made by the student during course.

Admission Requirements to the Teacher Education Program include:

- Complete the following courses with a C grade or better:
  - Twelve hours of English
  - College Algebra course
  - Education Psychology course

- Complete 60 credit hours of overall course work
- Complete 15 hours of course work related to Field of Study with at least a C grade and 2.75 GPA
- Meet Texas Higher Education Assessment (THEA) requirements
- Complete professional interview and writing sample
- Complete content screening instrument

For further information contact Educator Preparation services (https://www.tamuct.edu/educator-preparation-services).

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.
See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes

1. Understand abstract mathematical ideas, encompassing logical reasoning, generalization, abstractions, and formal proof.

2. Demonstrate effective problem solving using methods such as multiple approaches, assessing the correctness of solutions, exploring examples, posing questions, and devising and testing conjectures.

3. Effectively and appropriately utilize mathematical technology (such as mathematical software and graphing utilities) to understand mathematical ideas and solve mathematical problems.

4. Apply mathematics to solve problems in other academic disciplines.

5. Effectively and appropriately utilize mathematical technology (such as mathematical software and graphing utilities) to understand mathematical ideas and solve mathematical problems.

6. Demonstrate knowledge necessary to earn certification from the State of Texas for students pursuing math teacher certification.

B.S. Nursing

General Education Requirements

Communications-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Mathematics-020
MATH 1342 Elementary Statistical Methods 3
Natural Sciences-030
BIOL 2401 Anatomy and Physiology I 4
BIOL 2402 Anatomy and Physiology II 4
Humanities-040
Select three hours of Humanities 3
Visual and Performing Arts-050
Select three hours of Visual and Performing Arts 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
PSYC 2301 General Psychology 3
University Option-090
BIOL 2421 Microbiology for Science Majors 4

Program Requirements

Transfer Nursing Courses by Validation/Articulation 30
SOCI 1301 Introduction to Sociology 3
Choose one of the following
SPCH 1311 Introduction to Speech Communication 3

or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication
PSYC 2314 Lifespan Growth & Development 3
NURS 3300 Professional Role Transitions 3
NURS 3307 Health Assessment 3
NURS 3304 Nursing Research 3
NURS 3317 Pathophysiology for the Registered Nurse 3
NURS 4405 Care of Individuals and Families 4
NURS 4506 Community Health 5
NURS 3330 Nursing Care of Older Adults 3
NURS 4410 Leadership and Management for the Registered Nurse 4
NURS 4212 Professional Issues for the Registered Nurse 2

Additional electives
Any Level Electives 9
Total Semester Credit Hours 120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the Nursing major by the faculty once the application criteria are met. To be accepted into the Nursing Program, students must:

- Have a current Texas license to practice Registered Nursing;
- Have an overall GPA of 2.0 or higher; and
- Have a “C” or higher in the general education and support science courses.

Program Level Student Learning Outcomes

1. Examine professional nursing from historical and contemporary perspectives, including the philosophy and theoretical foundations that define professional nursing practice.

2. Collect and evaluate evidence-based practice findings to improve nursing practice.

3. Develop the skills to complete a comprehensive health assessment of an individual of any age.

4. Understand the pathophysiological basis for disease processes in adults and children.

5. Identify the use of nursing informatics from multiple perspectives within nursing practice.
6. Apply research findings for critical thinking in case management, integration of pathophysiology, psychosocial, cultural concepts, and professional values to coordinate care in a variety of settings.

7. Analyze a real work problem and develop a proposed solution using the concepts of leadership and management.

8. Define personal, professional, and cultural values as influences upon nursing practice.

9. Develop learning objectives for a knowledge-based nursing intervention to maintain, restore, and promote health of individuals and families.

10. Integrate assessment, data analysis, therapeutic communication, and critical thinking skills to direct culturally sensitive care of older adults.

11. Assess the environment of care and the needs of vulnerable populations in community settings.

12. Identify means by which professional nurses affect quality of health care delivery based on political, legal, ethical, and policy issues.

B.S. Political Science

Common Courses (36 Credits)

Courses that are common to all concentrations may be applied to all. At least 120 hours are required for the degree.

General Education Requirements

Communication-010
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3
Natural Sciences-030
Select six hours of Natural Sciences 6
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3
Social and Behavioral Sciences-080
HIST 2311 Western Civilization I 3

Required Courses in the Major

Select one of the following
POLI 3302 Elections and Political Parties 3
or POLI 3303 Comparative State and Local Government
or POLI 3304 The Executive Branch
or POLI 3305 Legislation
or POLI 3307 Public Administration
or POLI 4301 Constitutional Law I
or POLI 4302 Constitutional Law II
or POLI 4380 Administration of Justice

Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication

Advanced Political Science Electives

Upper level Political Science electives 9

Additional Electives

Any level elective 33
Upper level Electives 21

Total Semester Credit Hours 84

With 7th-12th Grade Social Studies Teacher Certification Preparation

Concentration General Education Requirements

Mathematics-020
Select three hours of Mathematics 3
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts 3
University Option-090
HIST 2312 Western Civilization II 3
Select one of the following
SPCH 1311 Introduction to Speech Communication 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Professional Communication

Required Courses in the Concentration

Select one of the following
POLI 3302 Elections and Political Parties 3
or POLI 3303 Comparative State and Local Government
or POLI 3304 The Executive Branch
or POLI 3305 Legislation
or POLI 3307 Public Administration
or POLI 4301 Constitutional Law I
or POLI 4302 Constitutional Law II
or POLI 4380 Administration of Justice

Select one of the following
POLI 3301 Political Economy of Globalization 3
or POLI 3306 Political Economy
or POLI 3308 International Politics
or POLI 4305 Comparative Government and Politics
or POLI 4316 Conflict Studies
or POLI 4317 Peace Studies

Additional Electives
Any level elective 33
Upper level Electives 21

Total Semester Credit Hours 84

1 Refer to General Education Requirements for more information.
2 Students in teacher certification preparation programs need to pass these courses with a "C" or better.
Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes

1. Understand the definitions, concepts, and theories of political science.
2. Use electronic databases for research and software to conduct formal or statistical political analysis.
3. Demonstrate appropriate style and grammar and develop the appropriate research skills.
4. Demonstrate advanced knowledge in one of the major areas of political science: American politics, international/comparative politics, or political theory.

B.S. Psychology

General Education Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences-030</td>
<td>Select six hours of Natural Sciences</td>
<td>6</td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one of the following

- PHIL 1301 Introduction to Philosophy
- or PHIL 2303 Introduction to Formal Logic

Visual and Performing Art-050

Select three hours of Visual and Performing Arts

U.S. History-060

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>United States History II</td>
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</tbody>
</table>

Political Science-070

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOVT 2305</td>
<td>Federal Government</td>
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</tr>
<tr>
<td>GOVT 2306</td>
<td>Texas Government</td>
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</table>

Social and Behavioral Sciences-080

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 2301</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

University Option-090

Choose one of the following

- SPCH 1311 Introduction to Speech Communication
- or SPCH 1315 Public Speaking
- or SPCH 1321 Business & Professional Communication

Select three hours that meet one of the core requirements above

Major Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 3400</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 3307</td>
<td>Human Lifespan</td>
<td>3</td>
</tr>
</tbody>
</table>

For further information contact Educator Preparation services (https://www.tamuct.edu/educator-preparation-services).
PSYC 3309  Writing in Psychology  3  
PSYC 3330  Statistics for the Behavioral Science  3  
PSYC 4435  Principle Research for Behavioral Sciences  4  
PSYC 3312  Biological Foundations of Behavior  3  
PSYC 4320  History of Psychology  3  

Choose one of the following  
PSYC 3303  Educational Psychology  3  
or PSYC 3305  Human Cognitive Processes  
or PSYC 3320  Psycholinguistics  
or PSYC 3301  Psychology of Learning  

Choose two of the following  6  
PSYC 3310  Abnormal Psychology  
or PSYC 335$Personality  
or PSYC 430$Psychological Assessment  
or PSYC 231$Psychology of Adjustment  
or PSYC 3311  Behavior Analysis and Behavior Management  

Choose two of the following  6  
PSYC 3360  Sport Psychology  
or PSYC 331$Human Sexuality  
or PSYC 430$Social Psychology  
or PSYC 431$Industrial and Organizational Psychology  
or PSYC 432$Motivation  

Choose one of the following  
PSYC 4332  Psychopharmacology  3  
or PSYC 4302  Adaptive Psychology  
or PSYC 4303  Animal Behavior  

Choose one of the following  
PSYC 3302  Health Psychology  3  
or PSYC 4315  Fundamentals of Program Evaluation  
or PSYC 4350  Forensic Psychology  

Computer Information Systems Elective  
Any Level Computer Information Systems elective  3  

Psychology Elective  
Upper Level Psychology elective  3  

Electives  
Any Level electives  16  
Upper Level electives  12  

Total Semester Credit Hours  120  

1 Refer to the General Education Requirements for more information.

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes

1. Demonstrate factual knowledge (terminology, classifications, methods, trends).

2. Demonstrate knowledge of fundamental principles, generalizations, or theories.

3. Apply course material to improve thinking, problem solving, and decisions, both in coursework and in real-life situations.

4. Demonstrate skill in expressing oneself in oral presentations and in writing.

5. Find and use resources for answering questions and solving problems.

6. Analyze and critically evaluate ideas, arguments, and points of view.

7. Practice skills in working with others as a member of a team.

8. Demonstrate specific skills, competencies, and points of view needed by professionals in fields most closely related to specific courses.

9. Demonstrate an understanding and appreciation of intellectual/cultural/historical activity in psychology.

10. Demonstrate a clear understanding of, and commitment to, ethics and personal values.

Bachelor of Social Work

Social Work is a professional degree program in which courses are sequenced and built upon the successful completion of prerequisites. Eligibility to take some courses is based on formal admission to the Social Work major, which requires meeting requirements over and above those required for admission to the University.

Negotiating the Social Work program requirements for an on-time graduation is a complex process that is best done with the help of an academic advisor. Please contact the Social Work Department for an appointment with one of our advisors as soon as you enter the University to map out a plan of study.

Students are also strongly encouraged to consult the Bachelor of Social Work Student Program Handbook for information and policies about the program.

The Social Work Program is accredited by the Council on Social Work Education.

Nondiscrimination Policy

All social work majors must apply for acceptance into the BSW major--this is in addition to the process which admits students to A&M-Central Texas. No person shall be discriminated against for reasons of race, color, sex, religion, national origin, age, (dis)ability, citizenship, veteran status, gender identity/expression, or sexual orientation. The BSW Program is committed to having a diverse student population.

Acceptance to the Major

Students will be admitted into the Social Work major by the faculty once the application criteria are met. To be accepted into the BSW Program, students must:

- Complete the three Foundation Level sequence courses;
- Have an overall GPA of 2.5 or higher;
- Have a "C" or better in all social work courses;
• Attend the New Social Work Student Orientation (held the first Friday of every semester), at which time they receive and review the BSW Program Student Handbook and appropriate forms for completion;

• Demonstrate the ability to attain high academic and professional standards as outlined in the BSW Program Student Handbook, which includes:
  • having scores of 3 or higher on the Rubric for Assessing Professional Behaviors (RAPB—see Appendix E) or demonstrating the ability to attain scores of 3 or higher throughout the program;
  • being willing to discuss with faculty any legal or other concerns that may impede a student’s successful placement at a field agency (such as a legal or criminal background) and, if necessary, complete a Corrective Action Agreement (see the BSW Program Field Instruction Manual for more information on field admission procedures).

Once students demonstrate eligibility to apply to the major, they compile all components for submission as outlined in the application procedures. The BSW Program Student Handbook, located on the Social Work website, is a good information resource. Students have the ability to work with the Social Work Program’s administrative assistant to ensure all documents are submitted appropriately.

Following submission of the application, all faculty members review the application for eligibility. Once each faculty member reviews the application, they have the option to provide one of three recommendations:

1. Admit Unconditionally,

2. Interview Needed, or

3. Deny Admission.

The category of Admit Unconditionally grants students immediate admission to the program without conditions, as all criteria have been met.

The Interview Needed designation is indicated when:

• Students have had a previous criminal background;
• Students have undergone mental health hospitalization;
• Students have participated in substance abuse treatment;
• Students have scored below 3 (average) on the Rubric for Assessing Professional Behaviors;
• Concerns have been raised based on the Program’s Code of Conduct; or
• Concerns have been identified regarding the information provided in the student’s narrative essay in the application.

The faculty members conduct interviews with students in order to make a determination regarding program admission.

NOTE: The applicant is considered on the basis of academic performance and commitment to and suitability for generalist social work practice. Emotional and professional readiness are prerequisites for successful completion of the program. These include demonstrated emotional maturity and self-awareness in areas such as the ability to effectively manage current life stressors, the ability to reflect on personal strengths and areas for growth/development, and the willingness to receive feedback and supervision in a positive manner throughout enrollment in the program.

Students must also demonstrate professional behaviors and characteristics, including but not limited to:

• Fitting well within the social work profession and the generalist framework for undergraduate social work education;

• Upholding ethical principles as defined by the NASW Code of Ethics, Texas social work licensing criteria, the A&M-Central Texas BSW Program Code of Conduct, A&M-Central Texas student rights and responsibilities delineated in the University Student Handbook;

• Advocating for themselves and others in a professional manner;

• Using proper channels for conflict resolution;

• Demonstrating respect for the confidentiality and rights of others;

• Demonstrating accountability in turning in assignments on time and maintaining a good attendance record in classes.

The Rubric for Assessing Professional Behaviors

Professional behaviors are expected of students while in the BSW Program. In addition to the professional behaviors listed in the previous section, a rubric for evaluating student professional behaviors is used by the program.

The BSW Program adopted the RAPB to facilitate students’ understanding of the behavioral expectations throughout the program, as well as to provide a method to objectively define and assess performance. Understanding that people generally are not terminated from jobs for skill but for behavior, the BSW Program strives to help students be successful in all domains that would lead to successful employment. In this regard, the RAPB is designed to provide feedback by observing 15 behavioral indicators. Examples of these indicators include attendance, punctuality, respect, collegiality, communication, initiative, and responsiveness to feedback (see Appendix E for the full RAPB). The RAPB is also used to support the program’s gatekeeping function by aiming to ensure a student’s overall readiness and appropriateness for the profession. A copy of the RAPB may be found in the BSW Program Student Handbook.

General Education Requirements

Communication-010:
ENGL 1301 Composition I 3
ENGL 1302 Composition II 3

Mathematics-020:
Select three hours in Mathematics 3

Natural Sciences-030:
Select six hours of Natural Sciences 6

Humanities-040:
Select three hours in Humanities 3

Visual and Performing Art-050:
Select three hours of Visual and Performing Arts 3

U.S. History-060:
HIST 1301 United States History I 3
HIST 1302 United States History II 3

Political Science-070:
GOVT 2305 Federal Government 3
GOVT 2306 Texas Government 3

Social and Behavioral Sciences-080:
PSYC 2301  General Psychology 3
University Option-090:
SOCI 1301  Introduction to Sociology 3
Select one of the following
SPCH 1311  Introduction to Speech Communication 3
or SPCH 1315  Public Speaking
or SPCH 1318  Interpersonal Communication
or SPCH 1321  Business & Professional Communication

Required Social Work Courses in the Major
SOWK 3301  Methods and Skills of Social Work 3
SOWK 3303  Social Work with Diverse Populations 3
SOWK 4300  Social Welfare Policy 3
SOWK 3302  Social Welfare in the United States 3
SOWK 3300  Introduction to Social Work 3
SOWK 4320  Social Work Research Statistics 3
SOWK 4321  Writing for Social Work Research 3
SOWK 3311  Social Work Practice I 3
SOWK 3304  Human Behavior and Social Environment I 3
SOWK 3305  Biological Foundations of Social Practice 3
SOWK 3310  Human Behavior and Social Environment II 3
SOWK 4324  Social Work Practice II 3
SOWK 4301  Social Work and Mental Health 3
SOWK 4684  Social Work Field Placement I 6
SOWK 4685  Social Work Field Placement II 6

Any Level Social Work, Sociology, or Criminal Justice Electives
Any level SOCI, SOWK, or CRIJ electives 9

Any level electives
Any level electives 9

Advanced Social Work Electives
Upper level Social Work electives 9

Total Semester Credit Hours 120

1  Refer to General Education Core Requirements for more information.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes
1. Demonstrate an understanding of the Social Work Code of Ethics. All social work courses contain content in the social work values, philosophy, and ethical conduct.

2. Espouse a worldview that embraces the strengths of cultural and ethnic diversity.

3. Apply knowledge of the social, political, and economic forces denying justice to oppressed individuals and groups.

4. Apply the methods and approaches of generalist perspective to interventions with individuals, families, small groups, organizations, and communities.

5. Apply knowledge of the bio-psycho-social-spiritual variables that influence development and behavior in the application of theoretical models for understanding the person/environment interactions.

6. Demonstrate skill in evaluating research and utilizing findings to enhance practice competencies.

7. Effectively use technology relevant to the field of social work, such as presentation software, videotaping, and statistical software.

8. Know the kinds of agencies and organizations that hire social workers to handle a variety of types of psychosocial problems.

9. Comprehend the wide variety of community programs and resources that exist to assist clients with a variety of types of needs, from basic food, housing, and medical care, to more complex needs for counseling, case management, educational services, and long-term care. Know the difference between programs functioning within state, non-profit, and for-profit venues.

10. Understand about the historical development that led to the current array of social services in local communities, states, and the nation.

B.S. Sociology

General Education Requirements

Communication-010
ENGL 1301  Composition I 3
ENGL 1302  Composition II 3

Mathematics-020
Select three hours of Mathematics 3

Natural Sciences-030
Select six hours of Natural Sciences 6

Humanities-040
Select one of the following
PHIL 1301  Introduction to Philosophy 3
or PHIL 2303  Introduction to Formal Logic

Visual and Performing Arts-050
Select three hours of Visual and Performing Arts 3

U.S. History-060
HIST 1301  United States History I 3
HIST 1302  United States History II 3

Political Science-070
GOVT 2305  Federal Government 3
GOVT 2306  Texas Government 3

Social and Behavioral Sciences-080
Select one of the following
HIST 2311  Western Civilization I 3
or HIST 2312  Western Civilization II
University Option-090
SOCI 1301  Introduction to Sociology 3

Select one of the following
SPCH 1311  Introduction to Speech Communication 3
or SPCH 1315  Public Speaking
Course Requirements

Select one of the following

ANTH 3300  Cultural Anthropology  3
or ANTH 2351  Cultural Anthropology

SOSC 3300  Social Science Proseminar  3
SOCI 3303  Race and Ethnic Relations  3
SOCI 4303  Social Inequalities  3

Select one of the following

SOCI 4315  Social Science Statistics  3
or CRIJ 4315  Criminal Justice Statistics

SOCI 4316  Methods of Sociological Research  3
SOCI 4305  Sociological Theory  3

Select one of the following

SOCI 4310  Sociology of the Body  3
or SOCI 4311  Sociology of Sexuality
or SOCI 4312  Gender in Society

Minor Field

Any level minor field courses from the selected minor discipline  12
3000-4000 level minor filed courses from the selected minor discipline  6

Advance Sociology Electives

Upper level Sociology electives  18

Additional Electives

Any level electives  15
Upper level elective  3

Total Semester Credit Hours  120

1 Refer to General Education Core Requirements for more information.

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes

1. Demonstrate skills and techniques in conducting social science research.
2. Define and apply sociological theory.
3. Identify social inequalities in terms of race, ethnicity, class, gender, and sexuality.
4. Demonstrate discipline-appropriate writing ability.

Undergraduate Minors

A minor is intended to support the major coursework and aid students in considering their program of study in an interdisciplinary manner. Although a minor is not required for most majors, students are encouraged to consider selecting a minor in consultation with their advisor and may select a maximum of two minors. Selecting an optional minor may require additional credit hours above the 120 hours required for all undergraduate degrees.

College of Arts and Science

Anthropology

ANTH 3300  Cultural Anthropology  3
ANTH 3340  Biological Anthropology  3
Choose four of the following  12

ANTH 3320  Archaeology
or ANTH 4310  Myth and Ritual
or ANTH 4320  Ancient Civilizations of Mesoamerica
or ANTH 4330  Bioarcheology
or ANTH 4340  Human Osteology
or ANTH 4350  Forensic Anthropology

Total Semester Credit Hours  18

Chemistry

CHEM 2423  Organic Chemistry I (Lecture + Lab)  4
CHEM 2425  Organic Chemistry II (Lecture + Lab)  4
CHEM 3415  Analytical Chemistry  4
CHEM 4430  Biochemistry I  4
CHEM 4431  Biochemistry II  4
CHEM 4415  Instrumental Analysis  4

Total Semester Credit Hours  24

Criminal Justice

Upper level Criminal Justice electives  6
Any level Criminal Justice electives  12

Total Semester Credit Hours  18

English

Upper English electives  6
Any level English electives  12

Total Semester Credit Hours  18

Film Studies

Select Three of the following  9

ENGL 4336  Film History
or ENGL 433 Film Auteurs
or ENGL 433 Film Genres
or ENGL 433 Film Theory & Criticism

Choose Three of the following  9

CRIJ 3345  Criminal Justice in Film
F A 4330  Fine Arts Seminar (Art of Documentary Film)
HIST 3361  History and Film
HIST 4388  History Problems (Hollywood and the Western)
POLI 3350  Politics and Propaganda in Film
SOCI 4389  Special Topics in Sociology (Sociology in Film)

Total Semester Credit Hours  18
### Fine Arts
Upper Fine Arts elective\(^1\)
- 12
Any level Fine Arts elective\(^2\)
- 6
Total Semester Credit Hours\(^3\)
- 18

### Forensic Investigation
Choose Six of the following\(^4\)
- 18
- BIOL 2401 Anatomy and Physiology I
- or BIOL 2301 Anatomy & Physiology I
- CRIJ 2314 Criminal Investigation
- or CRIJ 3311 Techniques of Interviewing
- or CRIJ 3315 Criminal Evidence
- or CRIJ 3352 Physical Aspects of Forensic Science
- or CRIJ 3353 Biological Aspects of Forensic Science
- or CRIJ 3356 Medicolegal Death Investigation
- or CRIJ 4350 Advanced Investigation
- or CRIJ 4351 Forensic Anthropology

Total Semester Credit Hours\(^3\)
- 18

### History
Upper level History electives\(^5\)
- 6
Any level History electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### Homeland Security
- CRIJ 3340 Homeland Security\(^6\)
- MGMT 4360 Emergency Management\(^6\)
- RELS 4320 Religious Terrorism\(^6\)
- CIS 4341 Information Technology Security and Risk Management\(^6\)
- or CIS 4342 Computer Security Principles and Practices
- or CIS 4346 Applied Security
- or CIS 4348 Security Trends and Malware Analysis
- CRIJ 3310 Criminal Justice Supervision and Management\(^6\)
- POLI 3320 Terrorism and Political Violence\(^6\)
- or POLI 4320 Weapons of Mass Destruction

Total Semester Credit Hours\(^3\)
- 18

### Mathematics
Upper level Mathematics electives\(^5\)
- 6
Any level Mathematics electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### Military Science
Upper level Military Science electives\(^5\)
- 6
Any level Military Science electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### Political Science
Upper level Political Science electives\(^5\)
- 6
Any level Political Science electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### Religious Studies
Religious Studies courses and/or any of the following\(^6\)
- 18
- HIST 3329 Church and State
- or POLI 3355 Religion and Politics
- or SOCI 4307 Sociology of Religion

Total Semester Credit Hours\(^3\)
- 18

### Sociology
Upper level Sociology electives\(^5\)
- 6
Any level Sociology electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### Social Work
Upper level Social Work electives\(^5\)
- 6
Any level Social Work electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

### College of Business Administration

#### Accounting
Upper level Accounting electives\(^5\)
- 6
Any level Accounting electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

#### Aviation Science
Upper level Aviation Science electives\(^5\)
- 6
Any level Aviation Science electives\(^2\)
- 12
Total Semester Credit Hours\(^3\)
- 18

#### Business Administration
- ACCT 2301 Principles of Financial Accounting\(^7\)
- or ACCT 3300 Accounting Concepts\(^8\)
- BUSI 3311 Business Statistics\(^7\)
- or BUSI 3332 Legal Environment of Business
- or BUSI 2301 Business Law
- or ECON 2301 Principles of Macroeconomics
- or ECON 2302 Principles of Microeconomics
- FIN 3301 Financial Management I\(^7\)
- MGMT 3301 Principles of Management\(^7\)
- MKTG 3301 Marketing\(^7\)
- CIS 4350 Management Information Systems\(^7\)

Total Semester Credit Hours\(^3\)
- 18

* Requires an additional prerequisite of ACCT 2302 Principles of Managerial Accounting

### Computer Science
- COSC 3443 Computer Architecture\(^7\)
- or CIS 3331 Visual Basic Programming
- or CIS 3332 Java Programming
- or CIS 3330 C++ Programming
- COSC 3380 Operating Systems\(^7\)
- COSC 3351 Data Structures\(^7\)
- COSC 4340 Analysis of Algorithms\(^7\)

Total Semester Credit Hours\(^3\)
- 18
Undergraduate Minors

Computer Information Systems

CIS 3340  Advanced C++ Programming  3
or CIS 3341  Advanced Visual Basic Programming
or CIS 3342  Advanced Java Programming
or CIS 3343  C# Programming for Windows and the Web

Total Semester Credit Hours  19

Finance

Upper level Finance electives  6
Any level Finance electives  12

Total Semester Credit Hours  18

Human Resource Management

BUSI 4334  Employment Law  3
MGMT 3302  Personnel and Human Resource Management  3
MGMT 4303  Wage and Salary Administration  3
MGMT 4304  Recruitment and Selection of Human Resources  3
MGMT 4305  Human Resource Development  3
MGMT 4306  Employer and Labor Relations  3

Total Semester Credit Hours  18

* Some courses in this minor will have prerequisites of MGMT 3301 Principles of Management and BUSI 3301 Business Communications and Research.

Management

Upper level Management electives  6
Any level Management electives  12

Total Semester Credit Hours  18

College of Education

Psychology

Upper level Psychology electives  6
Any level Psychology elective  12

Total Semester Credit Hours  18

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p Disp_dyn_sched).
GRADUATE INFORMATION

HISTORY
The Texas A&M University System Board of Regents approved graduate degree programs at the master's level for Tarleton State University on November 26, 1969, and for A&M-Central Texas through Tarleton State University on May 26, 2009. Meeting in special session at College Station, the Coordinating Board of the Texas College and University Systems granted approval on December 4, 1969, for three initial master's-level programs, setting the fall semester of 1971 as the effective date of graduate course offerings for the programs.

Administration
Administration of Graduate Studies is the responsibility of the Director of Graduate Studies (DGS). The Graduate Council, comprised of all graduate coordinators, assists the DGS in establishing graduate policies and standard administrative procedures. The DGS promotes the mission and goals of the Office of Graduate Studies and has the authority to act for the administration and Graduate Council within the limits of policy.

Vision
Graduate Studies at Texas A&M University-Central Texas aspires to provide accessible and rigorous graduate programs and research within an applied framework. We are dedicated to providing the highest cognitive and affective education and research, while increasing regional, state, national, and global connections for all scholars.

Mission
Graduate Studies at Texas A&M University-Central Texas is a diverse mixture of educator-scholars and learners committed to accessibility and excellence in graduate education, service, and research to enhance knowledge, skills, and abilities. All graduate programs and research strive for continuous improvement through benchmark assessments, including internal and external peer-review.

Values
Graduate Studies at Texas A&M University-Central Texas provides support to the University core values within a framework based on "Service of Excellence."

University Core Values
• Excellence & Achievement
• Compassion
• Integrity
• Knowledge
• Diversity
• Initiative
• Collaboration

Conditional Admission Requirements

Conditional Admission
Students are conditionally admitted to Graduate Studies at A&M-Central Texas by the Office of Graduate Studies. Full admission occurs at the graduate program level.

Conditional admission is awarded to applicants who meet the following requirements:
• Successful submission of a completed application, including fee, through www.applytexas.org (http://www.applytexas.org);
• Attainment of a bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a foreign institution;
• A minimum 2.5 GPA earned on the last 60 hours of coursework completed, to include all courses in the semester where the 60th hour occurs;
• If an applicant's GPA is between 2.5 and 2.99, acceptable minimum GRE or GMAT scores must be submitted prior to beginning any coursework. Only official score reports will be accepted. These must be sent directly to the Office of Graduate Studies by ETS or Pearson Education. NOTE: Some graduate programs require GRE scores for program admission, regardless of GPA;
• Proof of bacterial meningitis vaccination for students aged 21 and under.

Admission will not be granted to a student with a GPA less than 2.5 on the last 60 hours (to include all courses in the semester where the 60th hour occurs) for coursework completed. Students who know they have a GPA less than 2.5 on the last 60 hours (to include all courses in the semester where the 60th hour occurs) for coursework are encouraged to improve their GPA through the post-baccalaureate or non-degree seeking (NDS) option.

When a student entering the program on conditional admission has satisfied all conditions, he/she may be granted full admission after receiving a recommendation by the academic department. The graduate program coordinator will inform the student when he/she has obtained full admission.

Applicants who, for reasons beyond their control, cannot provide official documents required for admission to Graduate Studies by the time of initial enrollment may be admitted as a Conditional Admission/Requirements Not Met for one semester pending receipt of the required documents. If a graduate student does not submit all official documents within the first semester, the student will not be allowed to continue until the documents are on file.

With conditional admission, a student may proceed at full load or lower each semester. All graduate students are encouraged to maintain a full load or lower to support full retention of learned skills.

Full Admission
Admission to any graduate degree program is granted by the Director of Graduate Studies upon recommendation of the department of proposed study. Full admission is awarded to applicants who meet all of the following requirements:
• Conditional admission to Graduate Studies at A&M-Central Texas;
• Admission to the graduate program;
• Current degree plan on file.

Completion of specific program requirements may be required for full admission to selected graduate programs. Conditional admission may be granted by the Office of Graduate Studies until full admission is obtained. Please contact the specific graduate coordinator for additional graduate
admission requirements. Contact information is available from the Office of Graduate Studies.

Full admission allows a graduate student to progress at maximum loads or lower. All graduate students are encouraged to carry a full load or lower to support full retention of learned skills. Maximum loads are discouraged unless graduate students are not working.

Other Categories of Admission

Provisional Admission (A&M-Central Texas Undergraduates Only)
An undergraduate enrolled in a bachelor's degree program at A&M-Central Texas may be considered for provisional admission to the Graduate Studies. Provisional admission is awarded to applicants who meet all the following requirements:

• Student must be within 12 hours of completion of a bachelor's degree;
• Student has submitted a completed "Graduate Provisional Form";
• Student has a minimum GPA of 3.0 on the last 60 hours (to include all courses in the semester where the 60th hour occurs) of undergraduate coursework.

Provisional admission allows undergraduate students to take up to 12 hours of graduate credits, with no more than 6 graduate hours per semester. Provisional admission students must register for classes through the Office of Graduate Studies. No graduate coursework may be counted toward an undergraduate degree.

Provisional admission students must complete a Graduate Admission application through Apply Texas and meet university admission requirements when ready for admission to Graduate Studies.

Post-Baccalaureate Student
Post-baccalaureate admission allows prospective graduate students to improve their GPA if significant GPA issues exist for admission to Graduate Studies. Post-baccalaureate students are subject to the same requirements and regulations that apply to undergraduates; they must meet the academic progress standards applicable to undergraduates and are subject to the same probation/suspension policies.

Non-Degree Seeking Graduate Student
Applicants who indicate that they do not choose to seek a graduate degree but who hold a baccalaureate degree or higher from a regionally accredited college may be enrolled in graduate courses as a Non-Degree Seeking (NDS) graduate student. The NDS option also allows potential graduate students to improve their GPA. In addition:

• NDS graduate students are not required to submit GRE or GMAT scores; however, official transcript(s) which indicate the conferral of a bachelor's degree or higher and good standing at the last college attended are required;
• NDS graduate students may take up to 18 hours of coursework; however, they waive the right to count more than 6 hours toward an advanced degree at A&M-Central Texas;
• NDS graduate students have no assurance that coursework completed while in this classification will be applicable toward degree requirements with subsequent admission to a degree program. All graduate courses are reviewed on a case-by-case basis for transfer.

Program Entry requirements
Some graduate degree programs at Texas A&M University-Central Texas have program entry requirements beyond those for general admission to the university. Students admitted to the university interested in one of these programs may be eligible to enroll in certain coursework prior to program entry. The number of courses a student may complete prior to official program entry may vary by department. Students are not considered eligible to graduate until program and degree requirements are fulfilled.

If you plan to pursue one of the below degree programs, be sure to review additional program entry requirements. For additional information regarding graduate degree programs offered at A&M-Central Texas, please see the Graduate Programs (p. 81) section of the catalog.

History
• Complete 12 graduate credit hours in History
• Essay
• Submitted GRE test scores
• Undergraduate degree in history with a 3.0 GPA or 24 undergraduate history hours with a 3.0 GPA

Counseling
• Programs of Psychology and Counseling Department Application
• Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psycho.html))
• Interview
• Submit writing sample
• Clinical/Work/Volunteer Experience: Teacher certification needed as well as two years teaching experience.

Curriculum and Instruction (with certification preparation programs)
• A bachelor degree from a regionally accredited college or university.
• A minimum grade point average (GPA) of 2.75 in the last 60 hours of college coursework.
• A minimum of 18 semester hours with no letter grade less than a “C” in the certification subject area with a minimum GPA of 2.75 or a minimum GPA of 2.75 in the last 60 hours of college coursework or,
• A minimum of 12 hours with no letter grade less than a “C” in the certification subject area and a score of PASS on the coordinating TExES examination.
• Eligibility for admission to graduate school (GRE scores will be required for GPA less than 3.0 in the last 60 hours).

Education Leadership
• Formal application to program
• Three letters of reference
• A 500-word essay with artifacts concerning both experiences in fulfilling personal and professional leadership responsibilities and future career goals as an educational leader
Graduate Admissions Procedures

Admission to Graduate Studies
Admission to Graduate Studies is administered by the Director of Graduate Studies. Applicants seeking admission must present the following credentials and materials indicating their ability to successfully pursue graduate level work:

1. Submit a completed application for graduate admissions by visiting www.applytexas.org (http://www.applytexas.org). Applications must be received by the deadlines indicated in the current university calendar.

2. Submit the 200- to 300-word admission essay addressing academic and career goals. The essay must either accompany the electronic application for admissions or be sent directly to the Office of Graduate Studies at graduestudies@tamuct.edu.

3. Remit the $30 application-processing fee either through the electronic application or at the Business Office (https://www.tamuct.edu/business-office) by cash, check, money order, or credit card.

4. Submit official transcript(s). Transcripts must indicate the date of degree conferral for the baccalaureate and/or graduate degree and must convey good standing. Official transcripts must be delivered in sealed envelopes to the Office of Graduate Studies, or emailed by secure electronic transcripts exchange (e.g. eScrip-Safe, National Student Clearing House, Parchment, or Credentials Solutions) from participating institutions directly to graduestudies@tamuct.edu.

5. If required, scores on the General Test of the Graduate Record Exam (GRE) should be sent directly to the Office of Graduate Studies by the Educational Testing Service (ETS). Business students may take the GMAT exam; these scores must be sent directly to the Office of Graduate Studies by Pearson Education.

6. Provide proof of bacterial meningitis vaccination for students aged 21 and under.

Beyond general requirements for admission to Graduate Studies, departments may set additional standards for admission to degree programs, subject to administrative approval. Please contact the specific graduate coordinator for additional graduate admission requirements. Contact information is available from the Office of Graduate Studies.

Transfer Students Within U.S.

Applicants to A&M-Central Texas who have attempted graduate-level credit at another regionally accredited U.S. institution after attaining a bachelor’s degree will be considered transfer students. Applicants must be eligible for re-enrollment at their last attended college or university and must submit final official transcripts from each college or university attended. For students who have previously attended A&M-Central Texas, both transfer work and A&M-Central Texas work will be combined to determine a cumulative GPA. Transferred developmental and similar non-college credits will not be used to determine the required GPA for transfer admission eligibility.

Graduate Academic Advising

Prior to formal granting of admission to the program of study, the graduate advisor, as designated by the graduate program coordinator, assists students in planning initial coursework. Students must consult their advisors before seeking enrollment in any course that might be applied toward a master’s degree.

After receiving admission to Graduate Studies and enrolling for graduate courses, the student should consult with the graduate advisor concerning the appointment of an advisory committee. The advisory committee is responsible for guiding and directing the student's entire academic program, which includes initiating all academic actions concerning the student, developing the degree plan, and administering the comprehensive testing prior to conferral of the master's degree. Moreover, the advisory committee—as a group and as individual members—is responsible for counseling the student on academic matters and, in the case of academic deficiency, initiating recommendations to the Graduate Studies Program.

Graduate Transfer Information

Limitations on Transfer and Correspondence Courses

Recommendations for transfer credit are originated by the graduate program faculty advisor. Upon approval from the Director of Graduate Studies (DGS), the University may accept as many as 12 hours of graduate coursework completed at another regionally accredited institution.

Credit for coursework submitted for transfer from any college or university must be shown in semester credit hours or equated to semester credit hours. Coursework in which no formal grade is given or in which grades other than letter grades (A, B, C, etc.) are given (e.g. CR, P, S, U, etc.) will not be accepted for transfer credit. Only A and B grades may
Graduate International Students

Admission of an international student to a graduate program will be predicated upon holding a valid U.S. equivalent bachelor’s-level degree or higher from an accredited college or university. The quality of the applicant’s college-level work is judged from test scores, GPA, and writing samples. Applicants must submit a $130 (US) non-refundable application fee via the electronic application, or pay through the Business Office by cash, check, money order or credit card. Along with the application, the applicant must submit all previous university academic records, including official transcripts and evaluations of all previous university academic records, officially translated in the English language. Evaluations must be done by recognized evaluation services and typically must adhere to standards of the American Association of Collegiate Registrars and Admissions Officers and include items such as course names, course descriptions, course credit, course grades, GPA, degree earned, and the date earned as recommended by the National Council on the Evaluation of Foreign Educational Credentials. It is the applicant’s responsibility to secure and pay for the evaluation and to ensure it is done early enough to meet admission deadlines.

In addition to providing the aforementioned documents, the applicant must meet the following requirements:

- Student must have a minimum 2.5 GPA on the last 60 hours of coursework completed, to include all courses in the semester where the 60th hour occurs;
- If the student’s GPA is between 2.5 and 2.99, acceptable minimum GRE or GMAT scores must be submitted prior to beginning any coursework. Only official score report will be accepted, which must be sent directly to the Office of Graduate Studies by ETS or Pearson Education. NOTE: Some graduate programs require GRE scores for program admission, regardless of GPA;
- Student must have completed English 1301 and 1302 with a C or better, or submit acceptable Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) scores (TOEFL-minimum score of 80 on the Internet-based test, a minimum score of 213 on the computer-based test, or a minimum score of 550 on the paper-based test; IELTS-minimum score of 6);
- Student must submit the 200- to 300-word admissions essay addressing academic and career goals. The essay must either accompany the electronic application for admissions or be sent directly to Graduate Studies at graduatetudies@tamuct.edu.

The applicant may be required to complete leveling classes in a particular field of study as instituted by the department.

International applicants must submit two passport-style color photos taken within six months of application. The A&M System mandates that all international students have medical insurance with coverage in the United States. Students will be automatically enrolled and charged for health insurance as part of their matriculation.

All application materials must be sent to the Office of International Student Services Graduate Studies. Applications cannot be processed and an I-20 cannot be issued until all materials are received and the applicant is admitted in the Graduate Studies Program.

For more details about admission for international students, please contact the Office of Graduate Studies at graduatetudies@tamuct.edu.

Requirements for Master's Degrees and Certificates

Research Requirement

All students seeking a master’s degree must have at least 3 credits for an approved research course. Approved research courses are designated at the graduate program level.

Completion Time Limit

Course credits more than six years old at time of application for graduation may not be counted for a degree. Graduate students unable to maintain continuous enrollment may, on a case-by-case basis, be granted an extension. For military members who have deployed and as a result are unable to continue classes, the time limit may be extended. The extension may not exceed the period of deployment, as indicated on orders. For further clarification, contact the Office of Graduate Studies.

Application for Degree Conferral

Candidates for a degree must complete the following requirements no later than the dates specified by the University:

1. Application for the degree indicating fall, spring, or summer commencement; and
2. Completion and submission of a "Graduation Application" to the Office of Graduate Studies. To be considered for degree conferral, a candidate must be in good standing with the University. All contractual and financial obligations to the University must be satisfied.

A $40 graduation application processing fee is required at the time the application is submitted. Students failing to meet degree requirements in the semester in which they have applied to graduate must reapply and pay the graduation application processing fee again.

Comprehensive Exams

Candidates for all graduate degrees at A&M-Central Texas must satisfactorily pass a comprehensive examination or thesis. A graduate student must be admitted to candidacy for a degree before he/she will be allowed to take the comprehensive examination.

The policies and procedures for the comprehensive examinations are available in the program office of the student’s major field of study. Early in their degree program, graduate students should review the requirements for taking the examination. Comprehensive examinations require written examinations, which must be scheduled early in the semester in which they are to be administered. Consult the
Thesis Information

Not every graduate program at A&M-Central Texas requires a thesis for degree completion. Students must have full admission to a degree program and the permission of the department chair to enroll in a thesis course. A thesis will not be accepted unless a student has completed a minimum of six semester hours of thesis coursework. The A&M-Central Texas Thesis Manual, which contains details regarding the preparation and submission of a thesis for approval, is available on the Graduate Studies website. Students who plan to pursue a thesis should obtain a copy of this manual early in their graduate programs.

Thesis Credit

Students who begin to write a thesis are required to enroll each semester, to include summer, in at least one thesis hour until the thesis is completed. Those who make satisfactory progress will be given the grade of "IP/S." The thesis grade of "S" is not included in the GPA calculation for the degree. Only six hours of thesis credit will count towards the required hours. Students may not exceed the six-hour limit without the approval of the graduate coordinator or Director for Graduate Studies or designee.

Graduate Grading System

Graduate degree credit is only granted for A, B, and C grades. A GPA of 3.0 or higher is required:

1. for all courses included in a degree plan;
2. for all the courses comprising the major field;
3. for the courses comprising the emphasis, if one is selected;
4. as a cumulative GPA on all courses; and
5. as the semester GPA.

Courses originally taken at A&M-Central Texas may not be repeated for degree credit at another institution. If a course is repeated at A&M-Central Texas, the better grade in the course shall be counted in computing the student's GPA.

The grading system for graduate students is:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent, 4 grade points per semester hour</td>
</tr>
<tr>
<td>B</td>
<td>Good, 3 grade points per semester hour</td>
</tr>
<tr>
<td>C</td>
<td>Fair, 2 grade points per semester hour</td>
</tr>
<tr>
<td>D</td>
<td>Not Passing for graduate coursework</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete (under exceptional circumstances, see below)</td>
</tr>
<tr>
<td>IP</td>
<td>In-progress (used for non-completed thesis coursework)</td>
</tr>
<tr>
<td>Q</td>
<td>Withdrawal from course, no grade designated</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal from university, no grade designated</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawal failing from university (included in GPA)</td>
</tr>
<tr>
<td>*P</td>
<td>Pass</td>
</tr>
<tr>
<td>*S</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>NG</td>
<td>No credit</td>
</tr>
</tbody>
</table>

The lowest passing grade is a "C." Students should consider the fact that some universities and colleges do not accept a "C" in transfer.

A student who drops a course on or before the census date receives no grade, and the course will not be listed on that student’s permanent record.

The grade of "I" shall be recorded for a student only in cases of extraordinary circumstances. This entry is used only in the event the instructor and his/her department chair or college dean have concurred that the incomplete entry is justified. A grade of "I" must be made up by the end of the next long semester and in all cases before registering for the next sequential course. If this grade is not made up within the prescribed time limit, it automatically becomes an "F." Internships in Education not completed during the first semester of registration will receive a letter grade of "I." Registration will be permitted for the following semester, at which time a letter grade will be awarded upon satisfactory completion of the required work. If the work is not completed during the subsequent semester, the "I" received the previous semester will become "NC," and a letter grade of "F" will be placed on the transcript for the subsequent semester's work.

Graduate Degree Plan Information

Degree Plan

A graduate student's degree plan includes those courses listed for degree credit on the official degree plan form. All courses on the approved degree plan must be completed with a satisfactory grade to meet requirements for the degree. Changes in an approved degree plan can be made only with a recommendation to the Director of Graduate Studies from the student's advisory committee or graduate coordinator and the chair of his/her major department.

Courses in which the student has received a final grade and that are listed for graduate credit on the approved degree plan may not normally be removed from the degree plan, although courses acceptable for graduate credit may be added. Exceptions to this policy must be approved by the student's advisory committee or graduate coordinator,
chair of his/her major department or college dean, and the Director of Graduate Studies.

Degree Major

All degrees require a minimum of 18 semester hours be completed in the graduate student's major field, with the exception of the Master of Science Liberal Studies. The graduate major requires an undergraduate background of at least 24 semester hours, including 12 advanced hours. However, graduate students who have taken 18 hours of advanced undergraduate education courses as a prerequisite for a teaching certificate may be admitted to a Master of Education degree program. Exceptions to this requirement must be approved by the graduate coordinator and/or department chair.

Graduate Student Performance

Every student enrolled in Graduate Studies is required to maintain a high level of performance and comply fully with the policies of the institution. Students who have achieved admission are expected to maintain a minimum 3.0 GPA on work completed at A&M-Central Texas. Graduate Studies reserves the right to suspend any graduate student who does not maintain satisfactory academic standing or fails to conform to university regulations.

Probation – At the end of any grading period, if a student’s semester or overall GPA falls below the required minimum as set by the department (at least a minimum 3.0 GPA), she/he will be given notice of unsatisfactory academic performance and will be put on probation. The student must attain a 3.0 cumulative GPA during her/his next period of enrollment. Failure to do so will result in suspension.

Suspension – At the end of any grading period, if a student’s semester or overall GPA falls below a 2.0 she/he will be automatically suspended and may not attend classes for one long semester or the summer term.

Upon return from suspension, a student must sign a contract with Graduate Studies stipulating the conditions that must be met for the following term. At a minimum, the graduate student must maintain a minimum 3.0 GPA for every semester thereafter. Additional stipulations may be created on a case-by-case basis. A graduate student is allowed one suspension. If poor academic performance results in a second suspension, the student will be dismissed from the current program and may be permanently dismissed from the university. Dismissal from a second program will result in permanent dismissal from the university.

Suspension Appeal – Under exceptional conditions, a student may write a letter of appeal to the Office of Graduate Studies. Reinstatement will be considered on a case-by-case basis and approved only one time by the Director of Graduate Studies or designee. There is no appeal beyond the Director of Graduate Studies.

Graduate Student Course Load

Load for a full-time graduate student is 9 semester hours in the fall or spring semester. Summer loads are determined by the length of the summer session in which the student is enrolled.

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
<th>16 Week (Fall/Spring)</th>
<th>10 Week (Summer)</th>
<th>8 Week Session</th>
<th>5 Week Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Load</td>
<td>16 hours</td>
<td>12 hours</td>
<td>9 hours</td>
<td>6 hours</td>
</tr>
<tr>
<td>Full Load</td>
<td>9 hours</td>
<td>6 hours</td>
<td>5 hours</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

Enrollment Status Descriptions for Financial Aid: For financial aid purposes, enrollment requirements are the same for every semester (Fall, Spring, and Summer). Graduate students must be enrolled in at least nine graduate-level credit hours to be considered full-time, 7 to 8 graduate-level credit hours to be considered three-fourths time, and 5 to 6 graduate-level credit hours to be considered half-time.

Note: Loads in excess of the maximum require approval from the Director of Graduate Studies.
GRADUATE PROGRAMS

A&M-Central Texas Graduate Studies welcomes interest from eligible undergraduate students year round. The Admission to the Graduate Studies (p. 77) webpage includes instructions on how to begin. A&M-Central Texas offers the following graduate programs:

Master of Arts (M.A.)
- History (p. 82)
- Political Science (p. 83)

Master of Business Administration (M.B.A.)
- Business Administration (p. 84)

Master of Criminal Justice (MCj)
- Criminal Justice (p. 93)

Master of Education (M.Ed.)
- Counseling (p. 85)
- Curriculum and Instruction (p. 85)
- Education Leadership (p. 87)

Master of Science (M.S.)
- Accounting (p. 88)
- Clinical Mental Health Counseling (p. 89)
- Educational Psychology (p. 89)
- Information Systems (p. 90)
- Liberal Studies (p. 91)
- Management and Leadership (p. 91)
- Marriage and Family Therapy (p. 92)
- Mathematics (p. 93)

Specialist in School Psychology (S.S.P.)
- School Psychology (p. 94)

Graduate Level Certificates
- Certificates (p. 81)

Graduate Level Certificate Preparation Courses
- Preparation Courses (p. 81)

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Graduate Certificates

Health Administration Certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAD 5311</td>
<td>Health Administration and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5312</td>
<td>Health Care, Economics, Finance and Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5313</td>
<td>Health Policy and Law</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5314</td>
<td>Health Informatics and Trends</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5315</td>
<td>Health Ethics and Residency</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 15

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Graduate Certification Preparation

Superintendent Certification Preparation Courses

Admission to the Superintendent Certification Preparation Program

The educational leadership programs at A&M-Central Texas are designed to prepare effective education leaders. Requirements for the master’s degree (36 semester hours) and the post-master’s Superintendent Certification Preparation Program (18 semester hours) are designed to support the continuing professional development of career-oriented educational leaders as knowledgeable and skilled decision makers capable of providing visionary leadership and supportive guidance to schools and school districts.

Typical Curriculum and Requirements for the Post-Master’s Superintendent Certification Preparation Program

1. Students must complete all requirements for admission to Graduate Studies listed in this university catalog.
2. For admission to the Superintendent Certification Preparation Program, a student must submit a formal application to the Coordinator of M.Ed./Certification Programs. This application serves as a basis for admittance to the program and for advising the student with regard to coursework and general graduate and certificate requirements. The application for admission to the post-master’s Superintendent Certification Preparation Program requires that a student submit the following:
   a. three (3) letters of reference, one of which must be from the student’s current supervisor;
   b. a 500-word essay with artifacts concerning both experiences in fulfilling personal and professional leadership responsibilities and future career goals as an educational leader; and
   c. documentation of official teacher and principal certificates.

In addition, applicants may be required to successfully complete an assessment process that includes activities related to school and district leadership.

Admission to the program does not guarantee recommendation for certification. To be recommended for certification, students must
meet all program requirements and satisfy the requirements for recommendation for certification.

**Requirements for Superintendent Certification**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLD 5317</td>
<td>Public School Finance and Fiscal Management</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5318</td>
<td>Administrative Law and Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5319</td>
<td>The School Superintendency</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5335</td>
<td>Educational Planning and Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5336</td>
<td>Instructional Development and School Improvement</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5391</td>
<td>Superintendency Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours** 18

### School Counselor Certification Preparation Courses

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 5352</td>
<td>School Counseling Seminar</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5391</td>
<td>School-Counseling Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5392</td>
<td>School-Counseling Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5350</td>
<td>Foundations of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5351</td>
<td>Career Counseling and Guidance</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5353</td>
<td>Personality and Counseling Theory Application</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5354</td>
<td>Group Procedure for Counselors</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5357</td>
<td>Methods and Practices in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5304</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5381</td>
<td>Assessment and Evaluation Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>COUN 5311</td>
<td>Cultural, Minority and Gender Issues</td>
<td>3</td>
</tr>
<tr>
<td>or EDUC 5302</td>
<td>Cultural Diversity in Schools and Community</td>
<td></td>
</tr>
<tr>
<td>CNSK, CPSK, or PSYK elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COUN 5090</td>
<td>Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours** 36

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

### M.A. History

#### Master of Arts Degree in History Overview

The Master of Arts (MA) in History is designed to expand a student's knowledge of history and historical method, and to develop a student's research, writing, and analytical abilities in U.S., European, and world history. The degree prepares students for careers in public history, further study towards a doctoral degree, and teaching at the secondary and postsecondary levels.

#### Provisional Program Admissions

After a student has met the requirements for university admission and has submitted documentation demonstrating either an undergraduate degree in history with a GPA of 3.0 or the equivalent of an undergraduate major in history (minimum 24 credit hours) with a GPA of 3.0, they may register for graduate history coursework within the MA in History program. Students should provide official transcripts documenting all prior coursework in history. If a student has not satisfied this requirement, they may be required to take up to 24 credits of undergraduate leveling in history, for which they must earn a GPA of 3.0 or above. Once they complete any required leveling in history, students are permitted to register for graduate history coursework.

#### Full Program Admissions

Once a student has completed 12 credits in graduate history coursework, the graduate coordinator considers them for full admission to the MA in History program. The graduate coordinator reviews all records submitted at the time of the university admissions decision and when the student is permitted to register for graduate history coursework. If not already submitted, the student is required to submit the university admissions essay and a GRE score taken in the previous six years. The graduate coordinator makes the program admissions decision in consultation with the full-time faculty in the program.

The graduate coordinator is responsible for communicating the program admissions decision and serves as the point of contact for inquiries concerning the MA in History program. The graduate coordinator is responsible for all advising, including assistance with the student's selection of either the thesis or non-thesis track. Students must have the approval of the graduate coordinator to change tracks once they have completed 24 hours of coursework.

If a student's GPA in the MA in History program falls below 3.0 at any point, the student is subject to disciplinary action, including suspension and/or removal from the program. If a student receives a failing grade in a course, he or she must retake that course. If the failing grade causes a student to be put on suspension, he or she could remain on suspension until the course is retaken with a satisfactory grade.

### Master of Arts Degree in History Core Requirements

The MA in History requires 36 hours of approved coursework, including HIST 5300 (Elements of Historical Inquiry), 5380 (Historiography and Historical Method), and one research course (HIST 5320, 5322, or 5342). In consultation with the graduate coordinator, a student may take 12 hours in an appropriate supporting field. A student must take coursework in United States and non-United States history.

Each student must demonstrate reading proficiency in at least one foreign language prior to completion of the degree. Proficiency will be measured by the successful completion (with a C or better) of 14 hours in a single foreign language (either in the undergraduate or graduate level, at the equivalent of the intermediate level).

### Common Courses (30 Credits)

Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5300</td>
<td>Elements of Historical Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5380</td>
<td>Historiography and Historical Method</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 5320</td>
<td>Select Topics in State and Local History</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 5322</td>
<td>Select Topics in American History</td>
<td></td>
</tr>
<tr>
<td>or HIST 5342</td>
<td>Topics in European History</td>
<td></td>
</tr>
</tbody>
</table>

### Other Degree Requirements

Approved graduate-level History electives 1
Emphasis Requirements (See Below) 6
Total Semester Credit Hours 36

1 12 Credit hours can be used in a support field. For further information consult with your graduate coordinator.

Without Thesis
HIST 5090 History Comprehensive Examination 0

Other Degree Requirements
Approved graduate-level History electives 1 6

Total Semester Credit Hours 6

1 12 Credit hours can be used in a support field. For further information consult with your graduate coordinator.

Additional Requirements
Each student must take a written comprehensive examination based on coursework submitted for the MA degree. An examination committee, composed of three faculty members, administers the examination. If the examination result is unsatisfactory, the committee allows the student to retake the comprehensive examination one additional time. Additional coursework in areas of weakness may be required.

With Thesis
Required Courses
HIST 5198 History Thesis (1) 3
HIST 5198 History Thesis (2) 3

Total Semester Credit Hours 6

Additional Requirements
Each student completes a thesis under the direction of a thesis advisor, who chairs the student's thesis committee. The student does not begin work on the thesis prior to completion of 24 hours of coursework and will enroll in Thesis (HIST 5198) only with the prior approval of the graduate coordinator. Six hours of Thesis (HIST 5198) may count toward graduation. Students should prepare their thesis in accordance with the procedures specified by the Office of Graduate Studies. Upon completion of the thesis, the student sits for an oral defense before the student’s thesis committee.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes
1. Synthesize and analyze the literature and methods of the discipline of history and demonstrate understanding of the historiography and major questions of the topics of their study.

2. Demonstrate the knowledge and use of appropriate historical methods to produce original historical analysis. In doing so, students demonstrate critical thinking skills and the ability to use historical methods and to make and defend judgments based on historical evidence.

3. Demonstrate critical thinking skills, employ clear and effective communication skills, and exhibit the ability to use historical methods to evaluate and synthesize historical evidence.

M.A. Political Science
The Master of Arts (MA) in Political Science is offered by the Humanities Department. This degree strongly emphasizes research and analysis in political science, administrative theory, and governmental institutions as preparation for those students planning additional graduate study at the doctoral level.

Common Courses (30 Credits)
Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Courses
POLI 5300 Political Science Research Methods 3
POLI 5301 Political Decision-Making 3
POLI 5305 American Politics 3
POLI 5306 Comparative Politics 3
POLI 5307 International Relations 3

Other Degree Requirements
Approved graduate-level Political Science electives and/or optional support field selected in consultation with graduate coordinator 1 15
Emphasis Requirement (See Below) 6

Total Semester Credit Hours 36

1 Note: Only 12 hours can come from a support field.

Without Thesis
POLI 5090 Political Science Comprehensive Examination 0

Other Degree Requirements
Approved graduate-level Political Science electives and/or optional support field selected in consultation with graduate coordinator 1 6

Total Semester Credit Hours 6

1 Note: Only 12 hours can come from a support field.

With Thesis
Required Courses
POLI 5398 Political Science Thesis (Semester 1) 3
POLI 5398 Political Science Thesis (Semester 2) 3

Total Semester Credit Hours 6

1 Note: Only 12 hours can come from a support field.

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).
Program Level Student Learning Outcomes
1. Demonstrate mastery of the literature of political science, including the most recent scholarly research.
2. Demonstrate mastery of the methodology of political science.
3. Master the research skills necessary for making original contributions to the discipline of political science.

M.B.A. Masters of Business Administration
The MBA program is designed to develop student leadership, decision making, and critical thinking abilities. Students are given opportunities to make decisions based on the critical evaluation of real-life situations. Graduate faculty members strive to prepare MBA students for career opportunities and to compete in global business.

In an effort to aid in the successful completion of graduate business courses at A&M-Central Texas, students may be required to demonstrate prerequisite knowledge for certain courses prior to registration. At the initial advising appointment, students’ faculty advisor will confirm which areas of leveling are needed in order to clear prerequisites that have been established for certain courses. Presently, some prerequisite knowledge is required in the following disciplines: Accounting, Finance, Management, Marketing, and Statistics. Prerequisite knowledge may be demonstrated through approved undergraduate coursework in that discipline or satisfactory completion of a required skills examination administered through a third-party provider, Ivy Software. Student should contact their advisor for specific leveling details.

Common Courses (24 Credits)
Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 5303</td>
<td>Accounting and Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5311</td>
<td>Managing Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>FIN 5307</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 5310</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 5359</td>
<td>Business Strategy Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 5308</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5301</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 5090</td>
<td>Business Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

Required Electives
Approved graduate-level elective 3
Emphasis Requirements (See Below) 12
Total Semester Credit Hours 36

Marketing Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKTG 5310</td>
<td>Integrated Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 5312</td>
<td>Brand Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 5315</td>
<td>International Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Electives
Approved graduate-level elective 3
Total Semester Credit Hours 12

Management Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 5307</td>
<td>Responsibilities and Ethics of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5315</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5368</td>
<td>Organizational Development and Change</td>
<td>3</td>
</tr>
<tr>
<td>Graduate-level Management elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 12

International Business Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 5301</td>
<td>International Fin Strategy</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 5315</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5315</td>
<td>International Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 12

Human Resource Management Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRM 5303</td>
<td>Managing Human Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>HRM 5305</td>
<td>Human Resource Law</td>
<td>3</td>
</tr>
<tr>
<td>HRM 5314</td>
<td>Workforce Planning and Employment</td>
<td>3</td>
</tr>
<tr>
<td>HRM 5316</td>
<td>Compensation Management</td>
<td>3</td>
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</table>

Total Semester Credit Hours 12

Information Systems Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 5307</td>
<td>Systems Analysis for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5304</td>
<td>Telecommunications for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5316</td>
<td>Advanced Database Management</td>
<td>3</td>
</tr>
<tr>
<td>Graduate-level Computer Information System elective</td>
<td>3</td>
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</tr>
</tbody>
</table>

Total Semester Credit Hours 12

Health Administration Emphasis
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAD 5311</td>
<td>Health Administration and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5312</td>
<td>Health Care, Economics, Finance and Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HEAD 5313</td>
<td>Health Policy and Law</td>
<td>3</td>
</tr>
<tr>
<td>or HEAD 5314</td>
<td>Health Informatics and Trends</td>
<td></td>
</tr>
<tr>
<td>HEAD 5315</td>
<td>Health Ethics and Residency</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 12

Without Emphasis
Required Electives
Approved graduate-level electives 12
Total Semester Credit Hours 12

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).
Program Level Student Learning Outcomes

1. Demonstrate effective research and organizational skills for preparing for written or oral communications in the current business environment.

2. Demonstrate effective written communication skills appropriate for the current business environment.

3. Demonstrate effective oral communication skills appropriate for the current business environment.

4. Demonstrate proficiency in analytical thinking through the research and analysis of business problems.

5. Demonstrate proficiency in ethical decision making through the generation of solutions for business-related problems or issues.

6. Demonstrate knowledge of leadership principles necessary for the global business environment.

7. Demonstrate the effects of the global environment on business management and operations.

8. Demonstrate knowledge proficiency in the core business disciplines.

9. Demonstrate the ability to integrate the core knowledge into effective organizational decisions.

M.Ed. Counseling

M.Ed. in Counseling with School Counseling Emphasis

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the M.Ed Counseling and Psychology by the faculty once the application criteria are met. To be accepted into the M.Ed Counseling and Psychology program, students must:

- Programs of Psychology and Counseling Department Application
- Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psychology.html))
- Interview
- Submit writing sample
- Clinical/Work/Volunteer Experience: Teacher certification needed as well as two years teaching experience.

Program Level Student Learning Outcomes

1. Demonstrate a wide range of knowledge within the field of school counseling.

2. Demonstrate the ability to apply scholarly knowledge in community settings.

3. Demonstrate in-depth comprehension of the body of knowledge (including literature) required to fulfill multiple roles as a counselor in a school setting.

4. Acknowledge, respect, and respond to diversity while building on similarities that bond all people.

5. Demonstrate effective counseling skills to promote positive therapeutic outcomes in a variety of settings.

6. Demonstrate effective ethical decision-making skills that will promote trust and competence in the mental health profession.

M.Ed. Curriculum and Instruction

Without Teacher Certification Preparation

Common Courses (18 Credits)

Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Core Courses

Graduate level Counseling, Counseling Psychology or Psychology electives

Total Semester Credit Hours 48
Emphasis Requirements (See Below)  

Total Semester Credit Hours  36

1 Students who complete the thesis option are not required to take the 
   Comprehensive Exam.
2 Students may complete six hours of thesis in lieu of six hours of 
   Graduate content area courses.

Secondary Education Emphasis with Thesis  
Graduate level content area courses  18
EDUC 5198  Education Thesis (1)  3
EDUC 5198  Education Thesis (2)  3
Total Semester Credit Hours  24

Secondary Education Emphasis without Thesis  
Graduate level content area courses  24
EDUC 5090  Education Comprehensive Examination  0
Total Semester Credit Hours  24

Elementary Education Emphasis with Thesis  
EDUC 5300  Foundations and History of Education  3
EDTE 5349  Educational Media and Technology  3
EDUC 5350  Assessment and Interpretation for Education Leaders  3
READ 5374  Reading Research and Materials  3
READ 5375  Reading Research and Assessment  3
EDUC 5312  Language and Social Studies Seminar  3
   or EDUC 5322  Teaching Mathematics and Science  3
EDUC 5198  Education Thesis (1)  3
EDUC 5198  Education Thesis (2)  3
Total Semester Credit Hours  24

Elementary Education Emphasis without Thesis  
EDUC 5300  Foundations and History of Education  3
EDTE 5349  Educational Media and Technology  3
EDUC 5350  Assessment and Interpretation for Education Leaders  3
READ 5374  Reading Research and Materials  3
READ 5375  Reading Research and Assessment  3
EDUC 5312  Language and Social Studies Seminar  3
   or EDUC 5322  Teaching Mathematics and Science  3
Graduate level content area courses  6
EDUC 5090  Education Comprehensive Examination  0
Total Semester Credit Hours  24

Special Education Emphasis with Thesis  
EDUC 5300  Foundations and History of Education  3
SPED 5305  Introduction to Exceptional Learners  3
SPED 5311  Behavioral Management in Special Education Environment  3
SPED 5313  Advanced Study of Learning Disabilities  3
SPED 5315  Advanced Study of Developmental Disabilities  3
READ 5375  Reading Research and Assessment  3
Graduate level content area courses  6
EDUC 5198  Education Thesis (1)  3
EDUC 5198  Education Thesis (2)  3
Total Semester Credit Hours  24

Special Education Emphasis without Thesis  
EDUC 5300  Foundations and History of Education  3
SPED 5305  Introduction to Exceptional Learners  3
SPED 5311  Behavioral Management in Special Education Environment  3
SPED 5313  Advanced Study of Learning Disabilities  3
SPED 5315  Advanced Study of Developmental Disabilities  3
READ 5375  Reading Research and Assessment  3
Graduate level content area courses  6
EDUC 5198  Education Thesis (1)  3
EDUC 5198  Education Thesis (2)  3
Total Semester Credit Hours  24

With Teacher Certification Preparation

Common Courses (27 Credits)
Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.
EDUC 5300  Foundations and History of Education  3
EDUC 5385  Teaching Internship II  3
EDUC 5370  Techniques of Research  3
EDUC 5090  Education Comprehensive Examination  0
EDUC 5311  Methods of Effective Teaching  3
SPED 5305  Introduction to Exceptional Learners  3
EDUC 5314  Creating and Managing Learning Environment  3
READ 5370  Literacy Development  3
EDUC 5384  Teaching Internship  3
EDUC 5345  Advanced Instructional Strategies for Diverse Learners  3
Emphasis Requirements (See Below)  9
Total Semester Credit Hours  36

With Secondary Education Teacher Certification Preparation

Selected graduate content or Curriculum and Instruction courses  9
Total Semester Credit Hours  9

With Elementary Education Teacher Certification Preparation

EDUC 5302  Cultural Diversity in Schools and Community  3
EDUC 5338  Curriculum Design and Implementation  3
EDUC 5312  Language and Social Studies Seminar  3
   or EDUC 5322  Teaching Mathematics and Science  3
Total Semester Credit Hours  9

With Special Education Teacher Certification Preparation

Required Core Courses
SPED 5311  Behavioral Management in Special Education Environment  3
SPED 5313  Advanced Study of Learning Disabilities  3
Outcomes
Program Level Student Learning

Students must:

• Achieve the necessary knowledge and skills necessary to earn teacher certification in Texas.
• Be employable as educators in Texas.
• Demonstrate an understanding of the knowledge and skills studied to earn a master’s degree.

Student Services Certification Preparation

With Reading Specialist Certification Preparation

Required Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 5300</td>
<td>Foundations and History of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5302</td>
<td>Cultural Diversity in Schools and Community</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5338</td>
<td>Curriculum Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5370</td>
<td>Techniques of Research</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5090</td>
<td>Education Comprehensive Examination</td>
<td>0</td>
</tr>
<tr>
<td>EDTE 5349</td>
<td>Educational Media and Technology</td>
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</tr>
<tr>
<td>EDUC 5350</td>
<td>Assessment and Interpretation for Education Leaders</td>
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<td>ENGL 5321</td>
<td>Psycholinguistics</td>
<td>3</td>
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<tr>
<td>READ 5373</td>
<td>Foundations of Reading</td>
<td>3</td>
</tr>
<tr>
<td>READ 5374</td>
<td>Reading Research and Materials</td>
<td>3</td>
</tr>
<tr>
<td>READ 5375</td>
<td>Reading Research and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>READ 5376</td>
<td>Organization and Administration of Reading Programs</td>
<td>3</td>
</tr>
<tr>
<td>READ 5391</td>
<td>Reading Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 36

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the M.Ed Curriculum and Instruction major by the faculty once the application criteria are met. To be accepted into the M.Ed Curriculum and Instruction program, students must:

• A bachelor degree from a regionally accredited college or university.
• A minimum grade point average (GPA) of 2.75 in the last 60 hours of college coursework.
• A minimum of 18 semester hours with no letter grade less than a “C” in the certification subject area with a minimum GPA of 2.75 or a minimum GPA of 2.75 in the last 60 hours of college coursework or,
• A minimum of 12 hours with no letter grade less than a “C” in the certification subject area and a score of PASS on the coordinating TExES examination.
• Eligibility for admission to graduate school (GRE scores will be required for GPA less than 3.0 in the last 60 hours).

Program Level Student Learning Outcomes

1. Achieve the necessary knowledge and skills necessary to earn teacher certification in Texas.
2. Be employable as educators in Texas.
3. Demonstrate an understanding of the knowledge and skills studied to earn a master’s degree.

M.Ed. Educational Leadership

Educational Leadership Degree with Principal Certification

The Department of Educational Leadership offers degrees and certification programs designed to help students increase the skills and in-depth knowledge required for broader educational leadership roles in schools and school districts. A Master of Education in Educational Leadership with Principal Certification is available to those students interested in school leadership. In addition, the department provides post-master’s coursework in preparation for state Superintendent Certification.

Additional information about educational leadership programs and contact information may be obtained at: https://www.tamuct.edu/coe/education-leadership.html.

Basic Procedures

Graduate advisors are available to assist new students. After the graduate committee chairs are appointed, they assist students in developing degree plans and, along with the committee members, assume responsibility for preparing students for comprehensive examinations.

To be admitted into the program, applicants must meet all standards established by the Office of Graduate Studies, meet all program requirements, and be recommended by the graduate advisor, committee chair, or the program admissions committee.

Students who meet the general requirements for conditional admission and have been recommended by the department for full admission will be permitted to pursue one of the major areas in the department. Typically, the student admitted conditionally will be required to complete 12 semester hours with a 3.25 GPA.

To remain in good standing, students who have full admission status are expected to maintain a 3.0 GPA. Students whose GPA does not meet the minimum may not enroll for additional work without special permission from the college dean.

Consideration for accepting transfer credits will be given only after a student has full admission to Graduate Studies. Credits transferred from an approved institution must meet the guidelines outlined in Limitations on Transfer and Correspondence Courses in General Requirements for the Master's Degree.

Degree and Certification Programs Application and Admission Procedures

Admission to the Master in Educational Leadership with Principal Certification Program

1. Students must complete all requirements for admission to Graduate Studies listed in the University Catalog. Students seeking certification must apply to the program before beginning coursework.

2. For admission to the Educational Leadership Master’s Degree and Principal Certification Program, a student must submit a formal application to the Coordinator of M.Ed./Certification Programs. This application serves as a basis for admittance to the program and for advising the student with regard to general graduate and certificate requirements, coursework, and degree requirements. The application
Faculty administer examinations three times per year according to the Comprehensive Examination Requirements:

36 hours are required for the degree.

Courses that are common to all emphases may be applied to all. At least one Common Course (Credits 36)

In addition, applicants may be required to successfully complete an assessment process that includes activities related to campus leadership.

Admission to the program does not guarantee recommendation for certification. To be recommended for certification, students must meet all program requirements and satisfy the requirements for recommendation for certification.

For information on Superintendent Certification Preparation:
https://catalog.tamuct.edu/graduate-programs/graduate-certificate-preparation/

Common Course (Credits 36)
Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Courses for MEd

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLD 5300</td>
<td>Foundations of Educational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5301</td>
<td>Research in Educational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5339</td>
<td>Processes of Educational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5345</td>
<td>Leadership of Curriculum Systems</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5309</td>
<td>Legal Issues in School Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5307</td>
<td>Leadership of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5316</td>
<td>Leadership of Effective Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5342</td>
<td>Leadership of Campus Resources</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5355</td>
<td>Leadership of Diverse Learning Communities</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5360</td>
<td>Educational Leadership Applications</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5392</td>
<td>Principalship Practicum (1)</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 5392</td>
<td>Principalship Practicum (2)</td>
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<tr>
<td>EDLD 5090</td>
<td>Educational Leadership Comprehensive</td>
<td>0</td>
</tr>
</tbody>
</table>

Examination

Total Semester Credit Hours 36

Comprehensive Examination Requirements:

1. Examinees must have a degree plan on file.
2. Examinees must complete an application.
3. Examinees must register for the comprehensive exam course

Faculty administer examinations three times per year according to the following schedule:

1. Second Saturday in April (Application Deadline - March 1)
2. Second Saturday in July (Application Deadline - June 1)
3. Second Saturday in November (Application Deadline - October 1)

Note: Permission from the graduate advisor, the Dean of the College of Education, and the Director of Graduate Studies is required for faculty to administer the examination at any time other than the regularly scheduled dates.

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssbProd.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes

1. Shape school culture by facilitating the development, articulation, implementation, and stewardship of a vision of learning that is shared and supported by the school community.

2. Communicate and collaborate with all members of the school community, respond to diverse interests and needs, and mobilize resources to promote student success.

3. Act with integrity, fairness, and in an ethical and legal manner.

4. Facilitate the design and implementation of curricula that enhances teaching and learning, ensure alignment of curriculum, instruction, resources, and assessments, and promote the use of varied assessments to measure student performance.

5. Advocate, nurture, and sustain an instructional program and learning culture that are conducive to student learning.

6. Implement a staff evaluation and development system to continuously improve the performance of all staff members.

7. Apply organizational, decision making, and problem solving skills to ensure an effective learning environment.

8. Apply principles of effective leadership and management in relation to campus budgeting, personnel, resource utilization, financial management, and technology use.

9. Apply principals of leadership and management to the campus physical plan and support systems to ensure a safe and effective learning environment.

M.S. Accounting

The Master of Science in Accounting program is designed to develop the student’s leadership, decision making, and critical thinking abilities. Students entering the program should have an undergraduate degree in accounting. Students without an undergraduate degree in accounting must complete the undergraduate courses necessary to be prepared for graduate courses. Students are given opportunities to make decisions based on the critical evaluation of real-life situations. The faculty strive to prepare graduate accounting students for career opportunities and to compete effectively in global business.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FIN 5307</td>
<td>Financial Management</td>
<td>3</td>
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<tr>
<td>MGMT 5315</td>
<td>International Management</td>
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</tr>
<tr>
<td>ACCT 5305</td>
<td>Accounting Theory</td>
<td>3</td>
</tr>
</tbody>
</table>
ACCT 5315  Business Law for Accountants  3
ACCT 5340  Ethics in Accounting  3
ACCT 5345  Financial Statement Analysis  3
ACCT 5365  Accounting Research Seminar  3
ACCT 5370  Auditing Seminar  3
ACCT 5395  Current Topics in Accounting  3
ACCT 5090  Comprehensive Examination  0

Approved Electives
Approved graduate-level accounting electives  9
Total Semester Credit Hours  36

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Level Student Learning Outcomes

1. Demonstrate the knowledge required of a practicing professional accountant.

2. Demonstrate critical thinking by examining and evaluating alternative solutions to accounting and ethical problems.

3. Display an understanding of the general business environment and the ethical issues that may arise.

4. Compose business communications that are in the correct format and are appropriate for the targeted audience.

M.S. Clinical Mental Health Counseling

Required Courses
COUN 5300  Behavioral Statistics  3
COUN 5301  Research Methods  3
COUN 5304  Human Development  3
COUN 5393  Clinical Mental Health Practicum  3
COUN 5311  Cultural, Minority and Gender Issues  3
COUN 5313  Crisis Intervention and Management  3
COUN 5350  Foundations of Counseling  3
COUN 5351  Career Counseling and Guidance  3
COUN 5353  Personality and Counseling Theory Application  3
COUN 5354  Group Procedure for Counselors  3
COUN 5356  Introduction to Family Counseling  3
COUN 5357  Methods and Practices in Counseling  3
COUN 5358  Counseling Perspective on Psychopathology  3
COUN 5381  Assessment and Evaluation Fundamentals  3
COUN 5383  Consultation and Supervision  3
COUN 5365  Ethical Foundation of Counseling  3
COUN 5363  Substance Abuse  3
COUN 5386  Clinical Mental Health Internship (1)  3

COUN 5386  Clinical Mental Health Internship (2)  3
COUN 5090  Comprehensive Examination  0

Elective
Graduate-level elective  3

Total Semester Credit Hours  60

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the M.S. Clinical Mental Health Counseling program by the faculty once the application criteria are met. To be accepted into the M.S. Clinical Mental Health Counseling program, students must:

- Programs of Psychology and Counseling Department Application
- Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psychology.html))
- Submitted GRE test scores

Program Level Student Learning Outcomes

1. Demonstrate an understanding of the curriculum content of CACREP’s eight core areas.

2. Demonstrate the ability to use foundational counseling techniques/micro-skills.

3. Demonstrate knowledge of and the ability to apply ethical standards and engage in ethical counseling and professional practice.

4. Demonstrate knowledge of counseling diverse populations.

5. Demonstrate skills related to counseling diverse populations.

6. Demonstrate a professional identity, as well as professionalism, and fitness to practice as a professional counselor.

M.S. Educational Psychology

M.S. Educational Psychology with Experimental Psychology Emphasis

Required Core Courses
PSYC 5300  Behavioral Statistics  3
PSYC 5301  Research Methods  3
PSYC 5304  Human Development  3
PSYC 5381  Assessment and Evaluation Fundamentals  3

Educational Psychology Required Courses
PSYC 5302  Social Psychological Processes  3
PSYC 5303  Theories of Learning  3
PSYC 5315  Physiological Psychology  3
Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the M.S. Educational Psychology program by the faculty once the application criteria are met. To be accepted into the M.S. Educational Psychology program, students must:

- Programs of Psychology and Counseling Department Application
- Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psychology.html))

Program-Level Student Learning Outcomes

1. Compute and present descriptive and inferential statistical analysis of data.

2. Write summaries of existing research that address all sections of APA style manuscripts.

3. Write research reports in APA style.

4. Identify and summarize relevant psychological theories and research in content areas of specialization.

5. Analyze the limitations of existing research, articulate gaps in knowledge, and write a logical argument to justify position or project.

6. Write research hypotheses or predictions for future research that are directly supported by existing empirical research.

7. Develop and design a novel project supported by existing empirical research to address a problem, issue, or gap in knowledge.

8. Integrate research results with existing research and theory in an area to draw conclusions supported by data.

M.S. Information Systems

The Master of Science in Information Systems program (MS-IS) is designed to meet the needs of three distinct groups:

1. Students with a baccalaureate degree in Information Systems;
2. Students with a baccalaureate degree in another area who lack information systems skills and desire to develop new career skills in Information Systems; and
3. Students with a baccalaureate degree in another area who lack information systems skills and desire to develop new career skills in Information Systems.

Students should select an advisor and discuss the courses required for their degree early in their graduate program.

The MS-IS requires completion of at least 36 hours of graduate credit. Students may choose to do a thesis as part of this degree program. The degree is offered online, face-to-face, or a combination of the preceding two formats.

Common Courses (30 Credits)

Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 5304</td>
<td>Telecommunications for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5307</td>
<td>Systems Analysis for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5311</td>
<td>Managing Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5316</td>
<td>Advanced Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5351</td>
<td>Information Technology Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5382</td>
<td>Research Methods in Computer Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Approved Electives

- Approved graduate-level CIS electives: 9
- Approved graduate-level electives: 3
- Emphasis Requirements (See Below): 6

Total Semester Credit Hours: 36

Without Thesis

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 5090</td>
<td>Computer Information Systems Comprehensive Examination</td>
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</tr>
</tbody>
</table>

Approved Electives

- Approved graduate-level CIS elective: 3
- Approved graduate-level electives: 3

Total Semester Credit Hours: 6

With Thesis

Required Courses

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 5398</td>
<td>Computer Information Systems Thesis (Semester 1)</td>
<td>3</td>
</tr>
<tr>
<td>CIS 5398</td>
<td>Computer Information Systems Thesis (Semester 2)</td>
<td>3</td>
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</tbody>
</table>

Total Semester Credit Hours: 6

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).
Program-Level Student learning Outcomes

1. Demonstrate the ability to integrate knowledge of the Information Systems discipline and produce a response commensurate with graduate-level writing skills in the four core areas of the Information Systems Program.

2. Demonstrate knowledge of technology literature and resources through research and comprehensive examinations.

3. Work well as a part of diverse teams.

4. Demonstrate an ability to orally communicate effectively on technical and non-technical subjects in computer information systems.

5. Demonstrate ability to write effectively on technical and non-technical subjects in computer information systems.

6. Function in an ethical and professional manner with the ability to advance successfully in their careers and lifelong learning.

7. Evaluate computer information systems solutions for business situations and select "best" alternative.

8. Demonstrate knowledge and skills in areas including, but not limited to, the ethical, legal, security, and social issues inherent in information systems.

9. Demonstrate the knowledge required to engage in continued professional development.

10. Demonstrate an understanding of the role information systems play in supporting organizational decision making and for achieving competitive advantage.

11. Demonstrate the skills and abilities necessary to research and evaluate current and emerging trends and technologies in order to build effective organizational solutions.

12. Demonstrate an understanding of the role information systems plays in supporting organizational decision making and for achieving competitive advantage.

13. Demonstrate the knowledge, skills, and abilities necessary to analyze business needs, and then acquire and/or design and develop the appropriate solution from existing and emerging technologies and tools.

M.S. Liberal Studies

The Graduate Studies Program, in conjunction with the College of Arts & Sciences, advises students seeking a Master of Science in Liberal Studies (MSLS). The MSLS is an interdisciplinary degree created for those who are seeking generalized graduate-level education with one or two concentration areas, and is designed for a wide spectrum of individuals.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBS 5300</td>
<td>Interdisciplinarity</td>
<td>3</td>
</tr>
<tr>
<td>LIBS 5310</td>
<td>Interdisciplinary Methods</td>
<td>3</td>
</tr>
<tr>
<td>LIBS 5398</td>
<td>Interdisciplinary Capstone</td>
<td>3</td>
</tr>
<tr>
<td>LIBS 5090</td>
<td>Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

| Emphasis |

Graduate hours in the selected field of emphasis 15
Additional Electives
Graduate hours outside the emphasis area 12
Total Semester Credit Hours 36

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd_p_disp_dyn_sched).

Program-Level Student Learning Outcomes

1. Locate scholarly arguments within the disciplinary concerns that define them.

2. Examine one's own scholarly interests within some established or still developing set of methodologies and scholarship.

3. Combine and, when appropriate, integrate the theories and methodologies from multiple disciplines into one project.

4. Evaluate intellectual questions against a set of contexts including, but not limited to, political, historical, material, cultural, racial, ethical, national, and geographic contexts.

5. Author original research that exhibits the advanced critical-thinking and communication skills necessary for effective professional and other social or cultural contexts.

6. Develop habits of critical inquiry that include self-direction and self-reflection.

M.S. Management and Leadership

The primary mission of the Management and Leadership degree program is to develop the critical-thinking, problem-solving, and life-long learning skills necessary to manage and lead organizations.

The A&M-Central Texas Master of Science degree in Management and Leadership is designed for busy adults who want to improve their knowledge, abilities, and skills in management. The 36-hour program focuses on one of the most challenging responsibilities for management today—leading change. Students gain the knowledge and skills that are applicable in business, the military, government organizations, and private not-for-profit organizations.

This program is suited for students who want:
- To deepen their understanding of how organizations function;
- To increase their academic credentials;
- To increase their understanding of how to design and implement change within an organization;
- To acquire the requisite 18 hours of graduate coursework needed to teach at the undergraduate level; and
- To acquire the necessary knowledge and skills to help organizations through internal or external consulting.
Dedicated faculty focus on teaching and scholarly activities. At the same time, faculty pride themselves in giving students personal attention and easy access. Students are the reason the faculty are here.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSI 5310</td>
<td>Business Research Methods</td>
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</tr>
<tr>
<td>MGMT 5301</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5307</td>
<td>Responsibilities and Ethics of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5308</td>
<td>Analysis and Design of Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5309</td>
<td>Management and Leadership Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5310</td>
<td>Leadership Formation and Development</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5311</td>
<td>Managing Operations and Service</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5315</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5320</td>
<td>Negotiations</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5368</td>
<td>Organizational Development and Change</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 5090</td>
<td>Management Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

### Approved Electives

Approved graduate-level electives: 6

**Total Semester Credit Hours:** 36

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

### Program-Level Student Learning Outcomes

1. Demonstrate proficiency in applying relevant leadership theories and models to problems/Issues encountered in a dynamic and complex business environment.
2. Formulate leader actions to foster and achieve an organizational vision and to better align organizational form and function.
3. Demonstrate the use of effective written communication skills within the context of a leadership role.
4. Demonstrate the use of effective oral communication skills (both prepared and impromptu) within the context of a leadership role.
5. Demonstrate professionalism in collaborative team activities.
6. Make quality work contributions in collaborative team activities.
7. Analyze and evaluate corporate ethics and socially responsible behaviors in a business scenario.
8. Formulate managerial actions that foster corporate ethics and socially responsible practices.
9. Identify and analyze how globalization and national cultural differences affect managerial activities in specific contexts.
10. Synthesize and apply their knowledge of globalization and cultural differences to their own managerial practices at both the interpersonal and firm level.

### M.S. Marriage and Family Therapy

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFT 5301</td>
<td>Introduction of Marriage and Family Therapy</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5302</td>
<td>Advanced Marriage and Family Therapy Theory</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5307</td>
<td>Ethics in Marriage and Family Therapy</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5309</td>
<td>Assessment and Treatment of Diverse Families</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5313</td>
<td>The Person of the Therapist Identification</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5383</td>
<td>Marriage and Family Therapy Pre-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5391</td>
<td>Clinical Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5350</td>
<td>Marriage and Family Therapy Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5351</td>
<td>Diverse Couples Assessment and Treatment</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5352</td>
<td>Gender and Sexuality in Marriage and Family Therapy</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5353</td>
<td>Medical Family Therapy</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5392</td>
<td>Clinical Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5356</td>
<td>Combat Related Trauma</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5393</td>
<td>Clinical Practicum III</td>
<td>3</td>
</tr>
<tr>
<td>MFT 5394</td>
<td>Clinical Practicum IV</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5300</td>
<td>Behavioral Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 5304</td>
<td>Human Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 3 of the following: 9

- MFT 5355 Ttreatng Military Families
- MFT 5357 Common Factors in Marriage and Family Therapy
- MFT 5358 Group Process in Marriage and Family Therapy
- MFT 5371 Advanced Couples Interventions
- MFT 5372 Relationship Education
- MFT 5380 Addiction in Marriage and Family Therapy
- MFT 5381 Adolescent in Family Therapy
- MFT 5382 Delinquency in Marriage and Family Therapy
- MFT 5090 Marriage and Family Therapy Comprehensive Examination

**Total Semester Credit Hours:** 60

### Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

### Program Entry Requirements

Students will be admitted into the M.S. Marriage and Family Therapy program by the faculty once the application criteria are met. To be accepted into the M.S. Marriage and Family program, students must:

- Programs of Psychology and Counseling Department Application
- Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psychology.html))
- Submitted GRE test scores
Program-Level Student Learning Outcomes

1. Demonstrate knowledge and appropriate application of classical and postmodern MFT theories.
2. Demonstrate basic and systemic therapeutic techniques.
3. Assess how contextual issues affect individual lives and relational dynamics.
4. Formulate and execute treatment plans based on individual issues, relational dynamics, and contextual issues.
5. Assess the influence of their social location and personal experiences on the conceptualization and intervention of cases.
6. Develop collaborative relationships with other mental health professionals and agencies within the local community.
7. Demonstrate knowledge of current trends and research methods in the field of marriage and family therapy.

M.S. Mathematics

The MS in Mathematics is designed to enhance and enrich training in the field of mathematics for persons who teach at the secondary level or in community colleges, and to provide a rigorous depth and breadth of mathematical study for people who plan to work as applied mathematicians in industry or government agencies, as well as those who wish to continue their studies at the doctoral level.

Common Courses (24 Credits)

Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5305</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5308</td>
<td>Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5320</td>
<td>Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5350</td>
<td>Applied Linear Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate-level mathematics electives 12
Emphasis Requirements (See Below) 12

Total Semester Credit Hours 36

Without Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5090</td>
<td>Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

Additional Electives

Approved Mathematics or other supporting field courses 12

Total Semester Credit Hours 12

With Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5198</td>
<td>Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Additional Electives

Approved Mathematics or other supporting field courses 6

Total Semester Credit Hours 12

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes

1. Recognize and create good mathematical arguments, and effectively communicate them in written and oral form.
2. Demonstrate a rich understanding of complex mathematical structures, processes, and underlying theories.
3. Apply mathematical methods to analyze and solve problems.
4. Conduct secondary research to demonstrate an understanding of the principles and methods of mathematical research.

MCJ Criminal Justice

The Master of Criminal Justice prepares students for administrative positions in police, corrections, juvenile, and judicial systems. Program objectives are based upon the assumption that criminal justice decision-making and policymaking in society require broad academic experience, innovative thinking, understanding of the theoretical foundations of the field, knowledge of appropriate research methods, and principles of administration. The major focus is to demonstrate that criminal justice in the United States and the problems associated with crime and delinquency must be viewed within the context of the larger society rather than as an isolated system. The program includes analysis of the major elements within criminal justice as related elements in a system in which decisions regarding crime and justice in one sphere may have consequences in other spheres.

Graduates are expected to be:

1. conversant with the theoretical and legal principles implicit in criminal justice administration;
2. knowledgeable about essential research contributions in the field;
3. capable of research analysis appropriate to the field; and
4. competent to assume administrative responsibilities involving decision-making in one of the areas of criminal justice administration.

Common Courses (21 Credits)

Courses that are common to all emphases may be applied to all. At least 36 hours are required for the degree.

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIJ 5300</td>
<td>Multivariate Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5301</td>
<td>Advanced Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5302</td>
<td>Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5303</td>
<td>Race and Ethnicity</td>
<td>3</td>
</tr>
<tr>
<td>CRIJ 5306</td>
<td>Criminal Justice Program Evaluation</td>
<td>3</td>
</tr>
</tbody>
</table>

or CRIJ 5304 Advanced Methods in Criminal Justice
CRIJ 5310  Criminal Justice System  3
CRIJ 5322  Advanced Criminal Justice Ethics  3
Additional Requirements  15
Total Semester Credit Hours  36

1. These courses assume upper-level, undergraduate competency in applied statistics, criminology, research methods, and ethics. Lack of competency in any of these areas may require completing undergraduate coursework to satisfy competency.

2. CRIJ 5304 is required for Thesis Emphasis.

Without Thesis

The professional track is for students attending online and students seeking to enhance their professional standing as criminal justice practitioners. This track does not prepare students for college teaching or doctoral work.

Emphasis Requirements
CRIJ 5307  Homeland Security  3
CRIJ 5321  Leadership and Supervision  3
Choose Three of the following  9
CRIJ 5305  The Juvenile Justice System  3
or CRIJ 5306 Criminal Justice Program Evaluation
or CRIJ 5309 Terrorism
or CRIJ 5311 Regression Analyses
or CRIJ 5312 Treatment in Corrections
or CRIJ 5304 Advanced Methods in Criminal Justice
or ANTH 535 Forensic Anthropology
or SOCI 530 Theoretical Sociology
CRIJ 5090  Criminal Justice Comprehensive Examination  0
Total Semester Credit Hours  15

With Thesis

The thesis track is for students seeking to pursue an academic career in teaching, research, and doctoral-level studies. Students attending online may not select this track.

Emphasis Requirements
CRIJ 5321  Leadership and Supervision  3
Choose two of the following:  6
CRIJ 5305  The Juvenile Justice System  3
or CRIJ 5306 Criminal Justice Program Evaluation
or CRIJ 5307 Homeland Security
or CRIJ 5309 Terrorism
or CRIJ 5311 Regression Analyses
or CRIJ 5312 Treatment in Corrections
or CRIJ 5304 Advanced Methods in Criminal Justice
or ANTH 535 Forensic Anthropology
or SOCI 530 Theoretical Sociology
Thesis
CRIJ 5198  Criminal Justice Thesis (Semester 1)  3

Total Semester Credit Hours  15

CRIJ 5311 assumes upper-level, undergraduate competency in applied statistics, criminology, research methods, multivariate analysis, and ethics. Lack of competency in any of these areas may require completing undergraduate coursework to satisfy competency.

Homeland Security Emphasis

Emphasis Requirements
HLS 5307  Homeland Security  3
HLS 5309  Terrorism  3
HLS 5320  Religious Terrorism  3
HLS 5321  Leadership and Supervision  3
HLS 5370  Foundations of Information Security  3
CRIJ 5090  Criminal Justice Comprehensive Examination  0
Total Semester Credit Hours  15

Course Information and Schedule

The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program-Level Student Learning Outcomes

1. Identify current theories and research relating to criminal justice in order to implement appropriate responses to crime.
2. Apply research methods to test theory and address public safety concerns.
3. Manage the specialized resources (physical and personnel) available to criminal justice agencies.
4. Discuss the key concepts and evaluate the application of foundational ethical systems to criminal justice practice.

S.S.P. School Psychology

Common Courses (63 Credits)

Courses that are common to all emphases may be applied to all. At least 63 hours are required for the degree.

Required Core Courses
COUN 5353  Personality and Counseling Theory Application  3
PSYC 5300  Behavioral Statistics  3
PSYC 5301  Research Methods  3
PSYC 5304  Human Development  3
PSYC 5360  Foundations of School Psychology  3
PSYC 5381  Assessment and Evaluation Fundamentals  3

Educational Psychology Required Courses
PSYC 5302  Social Psychological Processes  3
PSYC 5303  Theories of Learning  3
PSYC 5391  Psychology Practicum I: Field Experience  3  
PSYC 5311  Culture, Minority and Gender Issues  3  
PSYC 5314  Assessment Intelligence and Achievement  3  
PSYC 5315  Physiological Psychology  3  
PSYC 5380  Personality Social Assessment  3  
PSYC 5382  Behavior Management and Therapy  3  
PSYC 5383  Consultation and Supervision  3  
PSYC 5384  Psychology Internship I  3  
PSYC 5385  Psychology Internship II  3  
COUN 5357  Methods and Practices in Counseling  3  
COUN 5358  Counseling Perspective on Psychopathology  3  
EDUC 5338  Curriculum Design and Implementation  3  
EDLD 5310  Special Educational Law  3  
Emphasis Requirement (See Below)  0 - 6  

Total Semester Credit Hours  63-69

Without Thesis

Educational Psychology Required Courses
PSYC 5090  Psychology Comprehensive Examination  0

With Thesis

Educational Psychology Required Courses
PSYC 5198  Psychology Thesis (1)  3  
PSYC 5198  Psychology Thesis (2)  3

Course Information and Schedule
The Course Information (p. 96) page includes a complete list of courses and course descriptions.

See the courses offered this semester using the Online Course Schedule (https://ssb-prod.ec.tamuct.edu/PROD/bwckschd.p_disp_dyn_sched).

Program Entry Requirements

Students will be admitted into the Specialist in School Psychology program by the faculty once the application criteria are met. To be accepted into the Specialist in School Psychology program, students must:

• Programs of Psychology and Counseling Department Application
• Timely submission of admission materials (as listed in current handbook (https://www.tamuct.edu/coe/counseling-psychology.html))
• Submitted GRE test scores

Program Level Student Learning Outcomes

1. Make data-based decisions.
2. Collaborate and consult.
3. Intervene in academic skills.
4. Provide mental health services.
5. Promote school-wide learning.
6. Provide preventive and responsive services.
7. Support diversity in development and learning.
COURSE INFORMATION

Explanation of Catalog Course Descriptions

Courses in this catalog are identified by a three- or four-digit subject code followed by a four-digit number. The first digit of the course number indicates the level or academic year of the course (1XXX - freshman, 2XXX - sophomore, 3XXX - junior, 4XXX - senior, 5XXX - master's, 6XXX - doctoral, and 7XXX - professional). The second digit indicates the semester credit value of the course. The third and fourth digits indicate the departmental sequence of the course. For example, ENGL 1311 is a freshman-level English course worth three semester credit hours.

Course titles follow course identifiers.

Course descriptions include information about course content and learning objectives.

Courses offered with writing intensive sections include (WI) at the beginning of the course description.

Fees specific to a course are included in the course description (i.e., lab fees).

Prerequisites are listed at the end of each course description.

A&M-Central Texas Course Descriptions

Accounting (ACCT)

ACCT 3300. Accounting Concepts. 3 Semester Credit Hours. Learn basic accounting principles, concepts, and methods to include a review of general purpose financial statements and the accounting process. Financial accounting procedures are presented to support the overall managerial function. Used to provide for students without a previous accounting background. (Meets requirements for Accounting I.).

ACCT 3301. Analysis - Using Spreadsheets. 3 Semester Credit Hours. Learn theory and application of microcomputer spreadsheet technology applied in accounting, finance, management, and other business disciplines. Stimulate creative initiative and to develop basic skills in performing common business tasks. Credit for both CIS 3301 and ACCT 3301 will not be awarded. Prerequisite(s): ACCT 2301.

ACCT 3302. Cost Accounting. 3 Semester Credit Hours. Learn accounting for material, labor, and manufacturing expenses in both job order and process cost systems. Special emphasis will be given to distribution of service department cost and costing of byproducts and joint products.

ACCT 3303. Intermediate Accounting I. 3 Semester Credit Hours. Study the environment of accounting, development of standards, basic theory, financial statements, worksheets, and the application of generally accepted accounting principles for the business enterprise with emphasis on corporations. Prerequisite(s): ACCT 2301 or permission of department chair.

ACCT 3304. Intermediate Accounting II. 3 Semester Credit Hours. Continue the study of Intermediate Accounting with a special emphasis on generally accepted accounting principles as applied to the business enterprise. Prerequisite(s): ACCT 3303 or permission of department chair.

ACCT 3305. Governmental Accounting. 3 Semester Credit Hours. Learn budgeting, accounting, and financial reporting principles and practices for governmental and other not-for-profit entities. Prerequisite(s): ACCT 3303 or permission of department chair.

ACCT 3307. Writing for Accountants. 3 Semester Credit Hours. (WI) Learn how to improve communication skills for those entering the accounting profession. Study written communication including letter writing, memos, emails, reports, employment resumes, and writing for publication. Special emphasis on organization of thought, critical thinking, and accounting research.

ACCT 3308. Managing Accounting. 3 Semester Credit Hours. Study the uses of accounting information by management. Accounting procedures and reports essential to management are emphasized, as are cost analysis, cost control, budgeting, and controllership. Prerequisite(s): ACCT 2301 or permission of department chair. Course cannot be counted as part of a degree program for an accounting major.

ACCT 3310. Accounting Information Systems. 3 Semester Credit Hours. Study the design and implementation of complex accounting information systems. Understand the traditional accounting model and its relationship to each type of accounting information system, including accounts receivable, inventory control, cost accounting, operational budgeting, and capital budgeting. Special emphasis on key elements of a well-designed management control system. Prerequisite(s): ACCT 2301.

ACCT 3387. Cooperative Education. 1-3 Semester Credit Hours. Integrate academic study with work experience that is relevant to a major or minor. Two-semester minimum requirement that may be accomplished by 1) alternating semesters of full-time study with semesters of curriculum-related employment, or 2) enrolling in courses at least half-time (6 semester hours) and working part-time in parallel positions of curriculum-related employment. Cooperative Education advisor will supervise and assign the final grades. Students may participate in the Cooperative Education but will earn only a maximum of 6 hours credit toward a degree. Prerequisite(s): Completion of 30 semester hours which includes 12 hours in the major or minor discipline in which the Cooperative Education course is desired, minimum overall GPA of 2.5 and a minimum GPA of 3.0 in the appropriate major or minor field, and permission of department chair. Field experience fee $75.

ACCT 4301. Financial Accounting. 3 Semester Credit Hours. Study financial statement analysis and accounting topics related to financial statement presentation and disclosure. Prerequisite(s): ACCT 3304 or permission of department chair.

ACCT 4303. Accounting Principles. 3 Semester Credit Hours. Analyze special phases of partnership accounting, joint ventures, consignments, installment sales, statement of affairs and accounting for insolvent concerns, and business combinations. Prerequisite(s): ACCT 4301 or concurrent registration.

ACCT 4305. Federal Tax Accounting I. 3 Semester Credit Hours. Study current income tax law and regulations with special emphasis on income tax legislation, treasury and court decisions, departmental rulings, income tax problems and returns, social security, and self-employment taxes. Prerequisite(s): ACCT 2301 and junior standing. Credit for both ACCT 4305 and FIN 4305 will not be awarded.

ACCT 4306. Federal Tax Accounting II. 3 Semester Credit Hours. Continue the study of current income tax law and tax accounting procedures. Learn about preparation of income tax returns for partnerships and corporations. Prerequisite(s): ACCT 4305 or permission of department chair. Credit for both ACCT 4306 and FIN 4306 will not be awarded.
ACCT 4323. Ethics for Accountants. 3 Semester Credit Hours.
Learn auditing and ethical responsibilities for auditors and other accountants in both public and private practice. Study generally accepted auditing standards, the standard audit report, legal responsibilities of accountants, the Code of Professional Conduct for accountants, independence, and objectivity. Special emphasis on case studies involving ethical reasoning, ethical decision making. Prerequisite(s): ACCT 3304.

ACCT 4324. Auditing Evidence and Reports. 3 Semester Credit Hours.
Learn procedures used by auditors and accounting practitioners to gather and evaluate information and report on their findings. Special emphasis on evaluation of internal control, planning an audit or other engagement, compliance testing, substantive testing, statistical sampling, evaluation of findings, and preparation of reports. Prerequisite(s): ACCT 4323.

ACCT 4335. Financial Statement Analysis. 3 Semester Credit Hours.
Learn the use of financial statements to analyze the position of a firm. Study analysis techniques and limitations imposed by generally accepted accounting principles. Prerequisite(s): ACCT 3303.

ACCT 4350. Management Information Systems. 3 Semester Credit Hours.
Study management issues related to business information systems designed to meet the informational needs of the various business subsystems. Special emphasis on the concepts of systems development, security, privacy and ethics associated with information systems. Credit will be awarded for only one of the following courses: ACCT 4350, CIS 4350, or MGMT 4350. Prerequisite(s): COSC 1301 or 3 hours of Advanced CIS or ACCT 3301 or CIS 3301 and junior standing.

ACCT 4357. Accounting Theory. 3 Semester Credit Hours.
Study of the generally accepted accounting rules and principles that govern the practical application of accounting methods. Prerequisite(s): ACCT 3303 and ACCT 3304.

ACCT 4388. Accounting Problems. 1-3 Semester Credit Hours.
Study of selected problems in accounting. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. May be repeated with permission of department chair. Prerequisite(s): Senior standing and permission of department chair.

ACCT 4389. Special Topics in Accounting. 3 Semester Credit Hours.
Study current issues and developments in accounting. Prerequisite(s): Permission of instructor.

ACCT 5090. Comprehensive Examination. 0 Semester Credit Hours.
Study and take the accounting examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

ACCT 5300. Foundations of Accounting. 1 Semester Credit Hour.
Learn basic knowledge of accounting necessary to begin the MBA program. Appropriate for students who have not had prior accounting courses, or who need a refresher course, prior to their MBA studies. Study the accounting process, accounting cycle, preparation of the basic financial statements in corporate annual reports, analysis of corporate financial statements using ratio analysis, the study of cost behavior, and cost-volume-profit analysis.

ACCT 5303. Accounting and Management. 3 Semester Credit Hours.
Study accounting as related to problems of making business and economic decisions. Learn both financial and managerial accounting. MS-ACC majors may not take this course for credit. Prerequisite(s): Required accounting leveling or permission of instructor.

ACCT 5305. Accounting Theory. 3 Semester Credit Hours.
Study the theory of accounting as it has developed in the economy of the United States. Particular emphasis is on concepts, income measurement, and valuation of assets, including valuation and measurement of equities. Application of accounting theory to contemporary problems is analyzed with cases and research papers on selected areas.

ACCT 5310. Advanced Accounting Systems. 3 Semester Credit Hours.
Comprehensive study of computerized accounting systems. Study design, implementation, operation, control and audit techniques of accounting information.

ACCT 5315. Business Law for Accountants. 3 Semester Credit Hours.
Study current business law topics which concern accountants in governing their practice and working with clients.

ACCT 5320. Corporate Tax. 3 Semester Credit Hours.
Analyze formation and capital structures, partial liquidations, S Corporations, accumulated earnings tax, and personal holding companies.

ACCT 5330. Current Topics in Auditing. 3 Semester Credit Hours.
Explore current topics in auditing.

ACCT 5335. Estate Planning. 3 Semester Credit Hours.
Study federal estate and gift taxation, as well as advanced family tax planning. Explore issues in taxation of decedent's estate and lifetime gifts, and valuation of properties subject to gift and estate taxes.

ACCT 5340. Ethics in Accounting. 3 Semester Credit Hours.
Study of ethics as it relates to problems in business and economic decisions. Explore integration of ethical reasoning, objectivity, independence, and other core values important for the development of a professional accountant. Analyze ethical lapses that have occurred in business and the accounting profession, with readings, problems, and cases requiring use of business and accounting data to evaluate the ethical decision process.

ACCT 5345. Financial Statement Analysis. 3 Semester Credit Hours.
Learn an analytical approach to the application of finance and accounting principles relevant to the analysis of financial statements.

ACCT 5350. Forensic Accounting. 3 Semester Credit Hours.
Learn the complete cycle of investigative auditing. Examine business, through study and evaluation of internal control, and corroborative evidence on the details of account balances. Explore flow-charts, test planning, use of statistical samples, computer controls and management audits. Gain experience through team performance on an extended case audit.

ACCT 5355. International Accounting. 3 Semester Credit Hours.
Examine accounting issues unique to multinational enterprises and international business activities.

ACCT 5360. Information Technology Audit. 3 Semester Credit Hours.
Learn controls, issues and audit techniques to explore the use of a computers as an auditing tool. Utilize generalized audit software currently used in auditing practices. Particular emphasis on computer fraud, security measures and controls in advanced online, teleprocessing systems.
ACCT 5365. Accounting Research Seminar. 3 Semester Credit Hours.
Explore accounting topics in an online environment. Emphasis is on basic accounting research in the areas of accounting theory, accounting practice, and other accounting topics in preparation for research needs encountered in the business environment and on the CPA exam. Stimulate creative initiative in performing accounting tasks and develop basic skills necessary to effectively research accounting and other topics which may be encountered in a business environment.

ACCT 5370. Auditing Seminar. 3 Semester Credit Hours.
Analyze current issues and research in auditing, attestation, and financial disclosures.

ACCT 5375. Tax Research. 3 Semester Credit Hours.
Develop the technical and research skills needed to address contemporary tax issues. Study tax issues, formulate research questions and develop the research skills needed to address them. Special emphasis on major tax services, evaluating relevant authorities and communicating findings in a professionally written research memorandum, familiarization of federal tax policies and procedures, and the authorities that govern tax practice.

ACCT 5388. Accounting Problems. 1-3 Semester Credit Hours.
Study of selected problems in accounting. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): Permission of department chair.

ACCT 5389. Special Topics in Accounting. 3 Semester Credit Hours.
Study selected accounting topics of current importance to business management. May be repeated once for credit when topics vary.

ACCT 5395. Current Topics in Accounting. 3 Semester Credit Hours.
Explore selected topics of new or current interest in financial accounting.

Anthropology (ANTH)

ANTH 3300. Cultural Anthropology. 3 Semester Credit Hours.
Explore culture and the different attitudes toward cultural diversity in a postmodern, global community. Special emphasis on prehistory, subsistence, economic anthropology, political anthropology, cultural eras, the rise of state societies, and kinship systems. Learn theories and methods of anthropology, and survey the history of the discipline.

ANTH 3320. Archaeology. 3 Semester Credit Hours.
Study the history of archaeology, its theories, methods, and current techniques in site excavation. Examine archaeological cultural complexity by studying hunter-gatherer and state societies in a worldwide overview, as well as within bioarchaeology, CRM work, and NAGPRA.

ANTH 3321. Archaeological Discoveries. 3 Semester Credit Hours.
Study the historical development of the field of archaeology through investigating the most important archaeological discoveries of the past and present. Critique hoaxes and archaeological myths and learn how archaeologists have dispelled them to develop the science of archaeology.

ANTH 3322. Archaeology of Warfare and Violence. 3 Semester Credit Hours.
Study the complex history of warfare in different time periods and world regions with archaeological record. Explore the development of warfare in preindustrial societies, and review the current state of warfare research in archaeology. Special emphasis on the bioarchaeology of conflict.

ANTH 3340. Biological Anthropology. 3 Semester Credit Hours.
Examine the evolutionary processes acting on human populations, through an anthropological study of human biology. Learn non-human primate anatomy, primate classification and ecology, and explore the primate paleontological record. Special emphasis on human variation and adaptation.

ANTH 4310. Myth and Ritual. 3 Semester Credit Hours.
Examine the history, beliefs, and practices of small-scale societies based on ethnographic literature. Study religious origins, shamanism, trance and other altered states, healing and bewitching, new religions, and certain treatments of the major religious traditions of Hinduism, Buddhism, Judaism, Christianity, and Islam. Cross-listed with RELS 4310; only one may be taken for credit.

ANTH 4320. Ancient Civilizations of Mesoamerica. 3 Semester Credit Hours.
Explore the major pre-Columbian cultures of Mesoamerica, from Olmec to Aztec periods, with a focus on ancient Maya. Emphasis on archaeological and bioarchaeological prehistory and history of these cultures up to and beyond the point of European contact.

ANTH 4330. Bioarcheology. 3 Semester Credit Hours.
Study archaeology and physical anthropology with the use of evidence gleaned from human skeletal remains. Focuses on the role of the human skeleton in reconstructing both the biological and cultural past of the human species.

ANTH 4340. Human Osteology. 3 Semester Credit Hours.
Examine the human skeleton as the foundation for biological anthropological study. Learn concepts and methods used by anthropologists to identify, describe, and analyze human skeletal remains from forensic and archaeological contexts.

ANTH 4351. Forensic Anthropology. 3 Semester Credit Hours.
Apply the science of physical anthropology to the legal investigative process. Learn to identify human remains, as well as age, sex, ancestry, and stature of those remains, and how these are used to help establish positive identification. Special emphasis on skeletal trauma, and pathology to determine cause and manner of death. Cross-listed with CRJH 4351; only one may be taken for credit.

ANTH 4389. Special Topics in Anthropology. 3 Semester Credit Hours.
Investigate selected topics within the field of Anthropology. May be repeated when topic varies.

ANTH 5310. Anthropology of Religion. 3 Semester Credit Hours.
Examine and critique anthropological theories, ethnographies, and literature pertaining to the study of religious phenomena, including myth and ritual, altered states, healing, bewitching, and religious practitioners. This course is cross-listed with RELS 5310 and only one may be taken for credit.

ANTH 5351. Forensic Anthropology. 3 Semester Credit Hours.
Gain a comprehensive understanding of the field of forensic anthropology. Review a diverse range of topics including age, sex, ancestry, stature, and trauma, and understand how these are used in identification and determining cause and manner of death, as well as learn to evaluate and critically analyze scientific publications within the discipline of forensic anthropology.

ANTH 5389. Special Topics in Anthropology. 3 Semester Credit Hours.
Investigate selected topics within the field of anthropology. Students may enroll for additional credit hours when topics vary.
Aviation Science (AVSC)

AVSC 3301. Air Carrier Operations. 3 Semester Credit Hours. Explore Federal Aviation Regulations relating to various specialized facets of the aviation industry, including airline operations, aircraft certification, air-worthiness standards and airport operations. Prerequisite(s): Commercial Pilot Certificate or permission of the department Chair.

AVSC 3302. Aviation Techniques of Instruction. 3 Semester Credit Hours. Examine the fundamentals of teaching and learning in an aviation oriented environment. Develop the techniques of instruction and the analysis of flight maneuvers, and demonstrate the theory of flight. Correlate Federal Aviation Regulations relating to the application of their flight instructor rating. Prerequisite(s): Commercial Pilot Certificate or permission of instructor.

AVSC 3303. Air Traffic Control. 3 Semester Credit Hours. Study FAA’s procedures for separating aircraft in the National Air Space, including the airport environment and enroute flight. Prerequisite(s): Acceptance into Professional Pilot program and Commercial Pilot Certificate or instructor approval.

AVSC 3304. Airport Management. 3 Semester Credit Hours. Examine requirements for developing a public airport to include local and state governmental agencies. Explore Federal aid and regulations, and the management required for the overall airport operations. Analyze tenant operators, leases, property development for non-aviation use, user taxation for airport operations, planning and policies, organization and administration, maintenance, safety and airport fuels and regulations. Prerequisite(s): Acceptance into Aviation Management or Professional Pilot program.

AVSC 3307. Aviation History. 3 Semester Credit Hours. (WI) Study the people and events from ancient times through the present that have influenced modern aviation internationally. Examine historical evidence and recorded documents to understand the role aviation has played in world events. Prerequisite(s): Acceptance into Aviation Management or Professional Pilot program.

AVSC 3308. Aviation History II. 3 Semester Credit Hours. Study the people and events from 1939 to the present that have influenced modern aviation internationally. Examine historical evidence and recorded documents to understand the role aviation has played in world events. Prerequisite(s): Junior classification.

AVSC 3321. Airline Management. 3 Semester Credit Hours. Discover the behind-the-scenes activities involved in the business of airline operations. Prerequisite(s): Acceptance into Aviation Management program.

AVSC 3333. Airports and Environmental Impact. 3 Semester Credit Hours. Review the FAA advisory circular topics such as sustainability, solar alternative energy, environmental hazards and prevention of mishaps with an emphasis on the importance of environmental concerns in modern airports and the impact on the surrounding communities and ecosystems. Prerequisite(s): Acceptance into Aviation Management program.

AVSC 4301. Aviation Law. 3 Semester Credit Hours. Explore the distinctive body of statutes, treaties, regulation and case law related to general aviation. Examine specialized rules and laws that have been developed due to the distinctive nature of the airplane as a mode of transportation. Prerequisite(s): Acceptance into Aviation Management or Professional Pilot program.

AVSC 4302. Advanced Aircraft Systems. 3 Semester Credit Hours. Study aerodynamics, federal aviation regulations, weight, balance, and turbine systems, and their relationship with aircraft systems. Apply and operate advanced aircraft systems used by commercial pilots in air carrier operations. Prerequisite(s): Acceptance into Aviation Management or Professional Pilot program.

AVSC 4308. Aviation Safety. 3 Semester Credit Hours. Analyze effective procedures and techniques in the development and supervision of an Aviation Safety program. Study aircraft accident prevention, and the use of statics in aviation safety. Special emphasis on safety measures and education media materials. Prerequisite(s): Acceptance into Aviation Management or Professional Pilot program.

AVSC 4309. Aviation Security. 3 Semester Credit Hours. (WI) Consider the use of situational awareness, teamwork, and effective communication to recognize and thwart security threats in the aviation environment. Analyze the use of effective procedures and policies to recognize and prevent the intentional act of humans to cause harm or disruption through aviation.

AVSC 4321. Certification of Airports. 3 Semester Credit Hours. Discuss the requirements and procedures in seeking government approvals for airport certification as it applies to general aviation and air carrier operations. Students are advised to take a writing intensive course prior to enrolling. Prerequisite(s): AVSC 3321 and acceptance into Aviation Management program.

AVSC 4333. General Aviation and Corporate Business Aviation. 3 Semester Credit Hours. Study the business skills and knowledge needed to operate a small aviation business. Gain an understanding of the operational managerial aspects of general aviation and corporate business aviation. Prerequisite(s): AVSC 3304, AVSC 3321 and acceptance into Aviation Management program.

AVSC 4344. Historical Application of Aircraft Design. 3 Semester Credit Hours. Study the evolution, concepts, and design aspects used in aircraft development. Construct and evaluate scale models of historical aircraft. Special emphasis on aerodynamic efficiency and aircraft manufacturing.

AVSC 4350. Aviation Seminar. 3 Semester Credit Hours. Explore selected topics in aviation. May be repeated for credit when topics vary. Prerequisite(s): Permission of department chair.

AVSC 4384. Aviation Internship. 3 Semester Credit Hours. Experience supervised Aviation Management in a fixed base operations, regional/major airline operations or municipal airport management operations setting. Analyze management problems, develop resolution techniques, and understand customer service as an important phase of the management process. Prerequisite(s): 12 hours of upper-level aviation courses, AVSC 3304 and permission of instructor. Field assignment fee $75.

AVSC 4388. Aviation Problems. 1-3 Semester Credit Hours. Explore selected topics in aviation. May be repeated with permission of the department chair. Prerequisite(s): Permission of department chair.

AVSC 4395. Capstone – Professional Pilot (Crew Resource Management). 3 Semester Credit Hours. Practice the knowledge, skills, attitudes, and abilities attained in the program in demonstrating and utilizing Crew Resource Management (CRM), a teamwork approach to situational awareness and management. Prerequisite(s): Senior standing and acceptance in Professional Pilot program.
AVSC 4396. Capstone – Aviation Management (Emergency Preparedness). 3 Semester Credit Hours.
Practice the knowledge, skills, attitudes, and abilities attained in the program in demonstrating emergency preparedness in simulated emergency scenarios. Prerequisite(s): Senior standing and acceptance in Aviation Management program.

Biology (BIOL)

BIOL 3315. Advanced Physiology. 3 Semester Credit Hours.
Study human physiology at the biochemical, cellular, tissue, and organ level. Designed for upper division science and nursing majors. Prerequisite(s): BIOL 1406.

BIOL 3318. Animal Physiology. 3 Semester Credit Hours.
Explore mammalian physiology as well as other selected vertebrate taxa. Special emphasis on organ-system physiology, and cellular and molecular mechanisms in order to present a current view of physiological principles. Highlights the nervous, muscular, cardiovascular, respiratory, renal, digestive, and endocrine physiology. Prerequisite(s): BIOL 1407.

BIOL 3380. Research Methods. 3 Semester Credit Hours.
Explore the general principles and procedures of scientific research with an emphasis on the use of scientific literature and the methods of research. Prerequisite(s): Junior standing.

BIOL 3400. Introduction to Biology. 4 Semester Credit Hours.
Gain an understanding of basic principles and unifying concepts in biology. Topics include scientific inquiry, basic biochemistry, cell structure and function, genetics, evolution, diversity of life, and anatomy and physiology. For non-biology majors. Laboratory sessions will provide experience with selected biological principles and practices.

BIOL 3401. Ecology. 4 Semester Credit Hours.
Explore interactions at the organismal, population, and community level, and apply ecological theory to current environmental problems. Emphasis in the laboratory and field exercises is placed on the ecological methodology and the application of these methods. Students are required to use various statistical methods to analyze and interpret the data. Prerequisite(s): BIOL 1407. Corequisite(s): MATH 3450.

BIOL 3420. Entomology. 4 Semester Credit Hours.
Explore the largest and most diverse group of animals on our planet. Examining the physiology, morphology, life histories, diversity, ecology, and evolution of insects. The laboratory focuses on the anatomy and classification of insects. Insect collection is required. Prerequisite(s): BIOL 1407.

BIOL 3430. Botany. 4 Semester Credit Hours.
Analyze the internal organization of plants, particularly angiosperms, with an emphasis on understanding anatomy from a structure-function standpoint. Prerequisite(s): BIOL 1407.

BIOL 3440. Invertebrate Zoology. 4 Semester Credit Hours.
Learn the biology, ecology, taxonomy and comparative anatomy of animals within the invertebrate phylum. Analyze live and preserved specimens in the field and laboratory. Prerequisite(s): BIOL 1407.

BIOL 3445. Comparative Vertebrate Zoology. 4 Semester Credit Hours.
Learn the biology, ecology, taxonomy, and comparative anatomy of animals within the vertebrate phylum. Analyze live and preserved specimens in the field and laboratory. Prerequisite(s): BIOL 1407.

BIOL 3452. Principles of Genetics. 4 Semester Credit Hours.
Explore the mechanisms of inheritance, from bacteria to humans, as well as mutations and phenotypes, Mendelian genetics, population genetics and evolution, and complex inheritance. Prerequisite(s) BIOL 1407.

BIOL 3471. Microbiology. 4 Semester Credit Hours.
Introduction to modern microbiology with emphasis on prokaryotes; includes microbial cell structure, function, and physiology; genetics, evolution, and taxonomy; bacteriophages and viruses; pathogenesis and immunity; and ecology and biotechnology. The laboratory will focus on microbial growth and bacterial identification. Three hours of lecture and three hours of laboratory. Prerequisite(s): BIOL 1407.

BIOL 4301. Conservation Biology. 3 Semester Credit Hours.
Examine conservation of biological diversity at gene, population, species, ecosystem, and global levels. Provides an overview of conservation biology including the causes and consequences of biodiversity loss, conservation approaches and strategies, and the ecological and evolutionary theory underlying these approaches. Prerequisite(s): BIOL 3401.

BIOL 4302. Restoration Ecology. 3 Semester Credit Hours.
Explore the fundamental principles of ecological restoration. Survey the discipline, and the scientific, ethical, and philosophical underpinnings that guide ecological restoration. Principles of ecosystem ecology are introduced to provide an understanding of ecosystem processes across landscapes and within specific restoration sites. Prerequisite(s): BIOL 3401.

BIOL 4346. Animal Behavior. 3 Semester Credit Hours.
Study vertebrate and invertebrate animal behavior. Basic topics include animal learning, mechanisms of behavior, foraging, competition, defense, aggression, sensory systems, communication, mating systems and parental care behavior. Prerequisite(s): BIOL 1407.

BIOL 4372. Virology. 3 Semester Credit Hours.
Study viruses with an emphasis on biology, diversity, and medical importance. Focusing primarily on human and animal viruses, and the molecular and clinical aspects of virology. Prerequisite(s): BIOL 4470.

BIOL 4373. Immunology. 3 Semester Credit Hours.
Explore the basic biological concepts of immunology. Study immunology from the viewpoints of developmental biology, molecular biology, genetics, biochemistry, microbiology, anatomy, and medicine. Prerequisite(s): BIOL 4470.

BIOL 4380. Evolution. 3 Semester Credit Hours.
Examine evolutionary theory, including the historical development of components of evolutionary theory, population level microevolution, the fossil record, and macroevolution. Prerequisite(s): BIOL 1407 and BIOL 3452.

BIOL 4389. Special Topics in Biology. 1-3 Semester Credit Hours.
Examine selected topics in biology. Course may be repeated for credit when topics vary. Prerequisite(s): Permission of department chair.

BIOL 4395. Biology Capstone. 3 Semester Credit Hours.
Capstone seminar focusing on life science research conducted by seniors and faculty. Prerequisite(s): BIOL 3380 and senior standing.

BIOL 4451. Bioinformatics. 4 Semester Credit Hours.
Study how genomic sequence and its variations affect phenotypes. Focuses on the information available from DNA sequencing projects, ranging from the sequences of individual genes to those of entire genomes. Learn analytical techniques that can be used to evaluate sequence data, and examples of their biological significance. Prerequisite(s): BIOL 4470 and BIOL 4471.
BUSI 4320. Fundamentals of Real Estate. 3 Semester Credit Hours.
Explore the nature of real estate and how ownership is held. Examine legal descriptions, encumbrances and liens, title transfer, title records. Analyze concepts of home ownership, buying, selling and financial real estate, closing the real estate transaction, and real estate taxes, and other issues in liens, leases and landlord tenant laws.

BUSI 4333. Business Law II. 3 Semester Credit Hours.
Study principles of law concerning agency, employment, partnerships, corporations, bankruptcy, secured transactions, creditor/debtor rights, insurance, real and personal property. Examine laws impacting the regulatory environment of business such as consumer protection, environment, anti-trust, and securities law. Prerequisite(s): Junior standing.

BUSI 4334. Employment Law. 3 Semester Credit Hours.
Study laws relating to employment. Explore employer-employee relationships, regulation of discriminatory practices in employment (Title VII, the 1964 Civil Rights Act, and other statutes), regulation of the employment environment, and testing and evaluation of employee job performance. Prerequisite(s): BUSI 3332 or MGMT 3302.

BUSI 4345. International Business Law. 3 Semester Credit Hours.
Study international commercial business and the legal environment. Learn traditional international concepts of treaties, sovereignty, public and private laws, customs laws, licensing, franchising, environmental and employment law. Special emphasis on contracts for international sale of goods (CISG), GATT and WTO Treaties, NAFTA, regional trade areas.

BUSI 4354. Global Business Practices. 3 Semester Credit Hours.
Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities related to the visited foreign country. A required study abroad at the student's expense is required. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s): Junior or senior standing. BUSI 4354, MGMT 4356, or MKTG 4356 may not be taken concurrently. Field assignment fee of $75.

BUSI 4359. Business Strategy. 3 Semester Credit Hours.
(WI) Concepts and principles of accounting, economics, finance, management, marketing, and quantitative methods relevant to developing successful strategy. Examine problem solving and business decision making. Appropriate for senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FIN 3301, BUSI 3311, MGMT 3301 and MKTG 3301. A materials fee of $45 is required for needed course materials.

BUSI 4360. Social Entrepreneurship. 3 Semester Credit Hours.
Study social entrepreneurship and impact investing. Learn how social entrepreneurs and investors create social value by solving social problems and scaling solutions. Address contemporary social issues, create solutions, and develop the skills of the social entrepreneur. Prerequisite(s): BUSI 3301, BUSI 3311, MGMT 3301, and MKTG 3301.

BUSI 4361. General Business Seminar. 3 Semester Credit Hours.
Study selected topics in dealing with problems or unique needs of business. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. May be repeated for credit as topics vary. Prerequisite(s): Permission to enroll is required.

BUSI 4363. Small Business Consulting. 3 Semester Credit Hours.
Study selected problems in diagnosing and analyzing problems of small business clients, and prepare formal written reports and recommendations for client implementation. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need. Prerequisite(s): Senior standing and permission of department chair.

BUSI 4388. Business Problems. 1-3 Semester Credit Hours.
Study selected problems in business. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need. May be repeated with permission of the department chair. Prerequisite(s): Senior standing and permission of department chair.
BUSI 5090. Business Comprehensive Examination. 0 Semester Credit Hours.
Study and take the business examination for non-thesis students. Register for the comprehensive examination during final semester of graduate coursework concurrently with BUSI 5359, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

BUSI 5310. Business Research Methods. 3 Semester Credit Hours.
Study nature, scope, and significance of business research and research methodology. Develop primary research methods with applications to specific problems. Learn the place of quantitative methods in research and individual investigation, and report on current problems in a selected field of interest. Prerequisite(s): BUSI 5300 or approved leveling in statistics.

BUSI 5312. Managerial Statistics. 3 Semester Credit Hours.
Explore applied descriptive and inferential statistical calculations. Examine statistics as a decision-making tool under uncertainty, probability, confidence intervals, hypothesis testing, ANOVA, correlation, regression, and statistical process control in the context of business and organization. Prerequisite(s): BUSI 5300 or approved leveling in statistics.

BUSI 5315. International Business Law. 3 Semester Credit Hours.
Study international commercial business and the legal environment in which it operates. Explore traditional international concepts of treaties, sovereignty, public and private laws, customs laws, licensing, franchising, environmental, and employment law. Special emphasis on contracts for international sale of goods (CISG), GATT and WTO Treaties, NAFTA, regional trade areas.

BUSI 5354. Global Business Practices. 3 Semester Credit Hours.
Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in the visited foreign country. A study abroad at the student’s expense is required. Graduate students will be required to complete an extensive research project in addition to other course requirements. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s): Admission into a COBA graduate program and permission of instructor. Field assignment fee of $75.

BUSI 5359. Business Strategy Seminar. 3 Semester Credit Hours.
Develop an integrated view of the business functions addressed in the MBA core curriculum. Apply case analysis methodology for evaluating complex business situations, developing strategic alternatives, and recommending effective solutions. Prerequisite(s): ACCT 5303, FIN 5307, BUSI 5310, MGMT 5301 and MKTG 5308. A student may take one of these concurrently with the permission of the instructor. A materials fee of $45 is required for needed course materials.

BUSI 5388. Business Problems. 1-6 Semester Credit Hours.
Study selected problems in business, and become acquainted with current research being conducted within the specific area of interest. Participate in directed reading of sources selected in concert by the student and professor. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need. Prerequisite(s): Permission of department chair.

Chemistry (CHEM)

CHEM 3415. Analytical Chemistry. 4 Semester Credit Hours.
Explore the principles and applications of gravimetric and volumetric analysis. Learn the theory for selecting analytical methods and separation techniques—precipitations, extraction and complexation, sources of error, data handling, and error analysis. Prerequisite(s): CHEM 2425 or equivalent.

CHEM 4415. Instrumental Analysis. 4 Semester Credit Hours.
Examine chemical analysis utilizing electronic instrumentation. Learn spectroscopy techniques such as UV/VIS, molecular fluorescence, infrared, Rama, Atomic emission, atomic absorption, atomic fluorescence, NMR and mass spectrometry. Explore chromatographic and electrochemical techniques, such as ion selective electrodes, polarography, coulometry, amperometry, and conductance. Prerequisite(s): CHEM 3415 or equivalent.

CHEM 4430. Biochemistry I. 4 Semester Credit Hours.
Study molecular components of the cell such as amino acids, proteins, enzymes, sugars, lipids, lipoproteins, nucleotides, vitamins and coenzymes. Learn energy yielding processes such as the ATP cycle, glycolysis, tricarboxylic acid cycle, the phosphogluconate pathway, redox enzymes and electron transport, oxidative phosphorylation, fatty acid metabolism, amino acid degradation and photosynthesis. First course in a two semester sequence. Prerequisite(s): CHEM 2425 or equivalent.

CHEM 4431. Biochemistry II. 4 Semester Credit Hours.
Study the synthesis of carbohydrates, lipids, amino acids and nucleotides, the conversion of biochemical energy into motility, membrane transport mechanisms, hormones and the regulation of DNA, protein synthesis, genes and their regulation, and systemic morphogenesis. Second course in a two semester sequence. Prerequisite(s): CHEM 4430 or equivalent.

Communications (COMM)

COMM 3301. Business & Prof Speaking. 3 Semester Credit Hours.
A study of verbal and nonverbal communication as it functions in business and professional organizations. Special emphasis will be given to developing oral language proficiency, interviewing, small decision-making groups, oral reporting, and organizational communication.

COMM 3303. Debate. 3 Semester Credit Hours.
An introduction to the principles of argumentation and debate. Subject material will include research, evidence, reasoning, case construction, refutation, and delivery. Classroom debating will provide students with opportunities to observe and participate in competitive debating. This course is particularly applicable to those anticipating study in prelaw. Prerequisite(s): SPCH 1311, SPCH 1315 or permission of department chair.

COMM 3304. Interpersonal Communication. 3 Semester Credit Hours.
A course designed to improve individual communication skills relevant to human relationships. The development and maintenance of interpersonal (one-to-one) relations are examined, with special emphasis on identifying and correcting communication breakdown. A portion of the course will be devoted to exercises designed to improve interpersonal skills. Prerequisite(s): SPCH 1311 or COMM 3301 or permission of department chair.

COMM 4304. Organizational Communication. 3 Semester Credit Hours.
An advanced study of communication as it takes place in business and industrial settings. Special attention will be given to managerial communication, communicator style, channels and networks, and organizational communication consulting. Prerequisite(s): COMM 3301.
COMM 4306. Group Process/Decision Making. 3 Semester Credit Hours.
A study of small group theory and process. Special attention will be given to leadership, organization, group analysis, and interaction. Students will observe and participate in small group discussions on contemporary issues. Prerequisite(s): SPCH 1311 or COMM 3301 or COMM 3304 or permission of department chair.

COMM 5329. Topics in Mass Media. 3 Semester Credit Hours.
This course offers an in-depth study of particular issues within media studies. Topics will vary from year to year. A more specific course description will introduce the particular focus of a class. This course may be repeated when the topic changes.

Computer Information Systems (CIS)

CIS 3300. Computer Technology and Impact. 3 Semester Credit Hours.
Explores computer technology with special attention to its impact on home, work, and school. Many topics are presented: hardware and software fundamentals, essential applications, telecommunications, internet, artificial intelligence, programming, and the future of these technologies. Students work with word processing, spreadsheet, database, and presentation software; other applications; and a programming language. No prior computer experience necessary.

CIS 3301. Business Analysis with Spreadsheets. 3 Semester Credit Hours.
Examine theory and application of microcomputer technology applied in accounting, finance, management, and other business disciplines. Develop creative initiative, and study basic analytical skills in performing common business tasks. Credit for both CIS 3301 and ACCT 3301 will not be awarded. Prerequisite(s): ACCT 2301.

CIS 3302. Introduction to Business Analytics. 3 Semester Credit Hours.
Examine theory and application of business analytics applied in accounting, finance, marketing, management, and other business disciplines. Develop basic analytical skills to gain insights and make better decisions. Special emphasis on descriptive statistics, data visualization, descriptive data mining, linear regression, forecasting, optimization models, spreadsheet models, Monte Carlo simulation, and decision analysis.

CIS 3303. Programming Logic and Design. 3 Semester Credit Hours.
This course introduces computer programming and problem solving in a structured program logic environment. Study the logic of decision-making, nested looping, multidimensional arrays, implementation of the structure theorem and Boolean algebra. Utilize structured flowcharts, structured pseudocode, hierarchy charts and decision tables, in order to document logical problem solutions. The course focuses on business problem solving and does not count as a programming language. No prior programming experience is necessary.

CIS 3304. Topics in Computer Information Systems. 3 Semester Credit Hours.
Examine selected topics in programming languages, programming techniques, or job control languages. May be repeated once for credit as topics vary. Prerequisite(s): Varies with topic.

CIS 3305. Operating Systems Theory and Practice. 3 Semester Credit Hours.
Study the history, development, and principles of computer operating systems and their variants in mainframe, minicomputer, server, and microcomputer application environments. Explore preferred operating systems representing various hardware environments. Special emphasis on related software issues, programming capabilities, and job control languages. Prerequisite(s): CIS 3330 or CIS 3331 or CIS 3332 or CIS 3343 or permission of department chair.

CIS 3306. Data Visualization. 3 Semester Credit Hours.
Data visualization makes it easier to understand the data. The goal of this course is to introduce students to data visualization including both the principles and techniques. Students will learn the value of visualization, specific techniques in information visualization and scientific visualization, and how to understand how to best leverage visualization methods.

CIS 3307. Application Project with Laboratory. 3 Semester Credit Hours.
Develop and document a software product using a formal software development process. Projects of value are actively sought from local businesses, governments, or nonprofit organizations when possible. May be repeated for credit when topics change. Prerequisite(s): Varies with topic.

CIS 3312. Technical Support Management and Operations. 3 Semester Credit Hours.
Study the scope, significance, job skills, training, software availability, and support problems of technical support within the technology industry. Develop technical support skills, with an emphasis on the use of resources, troubleshooting, and customer relations.

CIS 3315. Web Site Development and Design. 3 Semester Credit Hours.
This course introduces students to basic web design using HTML and CSS. The course does not require any prior knowledge of HTML or web design. Students learn how to plan and design effective web pages; implement web pages by writing HTML and CSS code; enhance web pages with the use of page layout techniques; text formatting, graphics, images, and multimedia; and produce a functional, multi-page website.

CIS 3330. C++ Programming. 3 Semester Credit Hours.
Study structured C++ programming using microcomputers. Special emphasis on syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++ programming. Prerequisite(s): CIS 3303 or permission of department chair.

CIS 3331. Visual Basic Programming. 3 Semester Credit Hours.
Study visual application development using Visual Basic and the native integrated development environment. Examine logic, working with forms, sequential and direct file access, and scope and visibility rules. Analyze problems within Visual Basic and develop programming solutions. Prerequisite(s): COSC 1301 or CIS 3300, and COSC 1309 or CIS 3303 or concurrent enrollment or permission of department chair.

CIS 3332. Java Programming. 3 Semester Credit Hours.
Study applications development using Java. Examine identifiers and reserved words, objects and primitive data, program statements, arrays and vectors, exceptions and I/O streams, and graphical user interfaces. Analyze problems within Java and develop programming solutions. Prerequisite(s): CIS 3303 or permission of department chair.

CIS 3340. Advanced C++ Programming. 3 Semester Credit Hours.
Study C++ programming language. Examine advanced features of C++ such as classes, friends, abstraction, operator overloading, inheritance, polymorphism, templates, and object oriented programming techniques. Analyze problems within C++ and develop programming solutions. Prerequisite(s): ITSE 2421 or CIS 3330 or permission of department chair.

CIS 3341. Advanced Visual Basic Programming. 3 Semester Credit Hours.
Study Visual Basic programming techniques, including declaration and manipulation of arrays, accessing database files, and advanced data handling techniques. Analyze advanced problems in Visual Basic and develop programming solutions. Prerequisite(s): ITSE 1401 or CIS 3331 or permission of department chair.
CIS 3342. Advanced Java Programming. 3 Semester Credit Hours.
Study Java programming language. Examine advanced Java capabilities, including class features, error handling, security techniques, Java streams, JavaBeans, database connectivity, Java servlets, Java Server pages, and advanced object-oriented programming techniques. Analyze advanced Java problems and develop programming solutions. Prerequisite(s): ITSE 2417 or CIS 3332 or permission of department chair.

CIS 3343. C# Programming for Windows and the Web. 3 Semester Credit Hours.
Use C# programming language to create Windows applications in the Internet and intra-network environment. Explore object-oriented design, client-server interaction, event-driven programming, graphical user interfaces, distributed data, and distributed applications.

CIS 3345. Topics in Personal Computer Software and Application. 3 Semester Credit Hours.
Examine selected personal computer applications and software packages. Explore the operation and usefulness of commonly available personal computing software solutions. May be repeated once for credit as topics vary. Prerequisite(s): Varies with topic.

CIS 3346. Personal Computer Technology. 3 Semester Credit Hours.
Examine the technology and hardware operations in microcomputers, their peripherals, and operating system software. Special emphasis on hardware configuration and selection, installation and test procedures, and routine maintenance.

CIS 3347. Data Communications and Infrastructure. 3 Semester Credit Hours.
A study of telecommunications architecture, industry standards and communications protocols, the placement of networking devices and components, transmission media selection, logical and physical topologies, voice and data transmission, and structured cabling for local area networks (LANs) and wide area networks (WANs). Application exercises will include evaluating alternatives available in hardware, software, and transmission facilities, design integration, selection and implementation of communications and networking solutions. In addition, students will explore the current and future impact and directions of these technologies. Students will complete an architecture design project will include required components and address services as specified in an industry specific Request for Proposal (RFP). Prerequisite(s): COSC 1301 or approval of the department chair.

CIS 3348. Networking Architecture and Design. 3 Semester Credit Hours.
Examine industry standards and communications protocols in networking. Learn placement of networking devices, transmission media selection, topologies, data transmission, and structured cabling for LANs and WANs. Develop network designs as specified in an industry specific Request for Proposal (RFP). Prepare and present a design proposal in response to an RFP, and installation, configuration, testing and troubleshooting of WAN/LAN wiring interface technologies. Prerequisite(s): ITNW 1325 and ITNW 2321 or CIS 3347 or permission of department chair.

CIS 3351. Data Structures. 3 Semester Credit Hours.
Study theory and applications of commonly used computer data structures, files, file organization and access methods, databases, and other storage and retrieval methods. Prerequisite(s): CIS 3340 or CIS 3341 or CIS 3342 or CIS 3343 or permission of department chair.

CIS 3360. Ethics in Computing. 3 Semester Credit Hours.
(WI) Examine personal and contemporary organizational ethical issues and challenges in the design, development and the use of computing technologies in a global environment. Special emphasis on the philosophical basis for computer ethics, reliability and safety of computer systems, protecting software and other intellectual property, computer crime and legal issues, and professional codes of ethics (AIS, ACM, IEEE etc.).

CIS 3361. Introduction to Computer Forensics. 3 Semester Credit Hours.
The course focuses on clear and authoritative instructions about the field of computer forensics as it applies to the investigative process; from the collection of digital evidence to the presentation of Computer Forensic Examination findings in a court of law. Upon successful completion of the course, students will have a basic understanding of the computer forensic process, the scientific procedure involved in accounting, law enforcement, and computer sciences. Topics also include the science of computer forensics and how it relates to and is utilized within the judicial system of the United States.

CIS 3365. System Analysis and Design. 3 Semester Credit Hours.
Examine systematic analysis, design, and implementation of software systems with special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Analyze traditional and current methodologies in design, including computer aided analysis and design tools. Prerequisite(s): CIS 3330 or CIS 3331 or CIS 3332, or permission of department chair.

CIS 3387. Cooperative Education. 3 Semester Credit Hours.
Develop and apply relevant CIS concepts in a work environment. Work in an approved professional CIS setting for approximately 300 hours before credit will be granted. To remain in the program, the student must remain in good standing with the university and employer. May be repeated once for credit. Prerequisite(s): Permission of co-op coordinator and department chair, and formal application to the program. Field experience fee $75.

CIS 3389. Special Topics in Computer Information Systems. 3 Semester Credit Hours.
Examine selected issues, products, and technology current to computer information systems. This course may be repeated once for credit. Prerequisite(s): Permission of department chair.

CIS 4301. Database Theory and Practices. 3 Semester Credit Hours.
Examine database concepts and structures, and understand file and data management principles underlying database construction. Learn fundamental types of database models, with emphasis on relational databases and major non-relational forms. Develop skills in analysis, design, development, and optimization of working database applications on a variety of problems.

CIS 4302. Advanced Business Analytics. 3 Semester Credit Hours.
Follow the traditional descriptive/predictive/prescriptive framework to analyze large sets of data and explain the theory of formulating statistical models. Special emphasis on cluster analysis, Naïve Bayes, Optimization Modeling, simple and multiple linear regression, and ensemble modeling. Prerequisite(s): CIS 3302.

CIS 4303. Data Mining. 3 Semester Credit Hours.
Discover basic concepts, tasks, methods, and techniques in data mining, and analyze data mining problems and their solutions. Develop an understanding of the data mining process, learn various techniques for data mining, and apply the techniques in solving problems using data mining tools and systems. Prerequisite(s): CIS 3302 or CIS 4301.
CIS 4307. Topics in Networking. 3 Semester Credit Hours.
Explore selected topics in alternative or innovative network software packages, including network focused tools, utilities, and operating systems. Special emphasis on an exploration of the usefulness and operation of the topic of study. May be repeated once for credit as topics vary. Prerequisite(s): Varies with topic.

CIS 4308. Advanced Programming Language. 3 Semester Credit Hours.
Develop programming proficiency in a modern programming language. May be repeated as topics vary. Prerequisite(s): Permission of department chair.

CIS 4309. Decision Support Methods. 3 Semester Credit Hours.
Use computer-based decision, analysis, planning, and presentation methods in the context of management strategy and problem-solving policy. Apply software tools such as databases, spreadsheets, statistical graphics, and presentation programs for extracting, organizing and presenting information in support of management decision making. Prerequisite(s): COSC 1301 or CIS 3300, or ACCT 2302 or ACCT 2402 or MGMT 3301 or FIN 3301 or MKTG 3314 or BUSI 3311, or permission of department chair.

CIS 4310. Artificial Intelligence. 3 Semester Credit Hours.
A study of AI programming techniques and tools. Topics include Expert Systems, Neural Networks, Genetic Algorithms, Automatic Programming, heuristic search, and others.

CIS 4311. Android Application Development. 3 Semester Credit Hours.
This course explores the design and development of mobile applications such as Android, including resources, user interfaces, services, alarms, maps and location based services.

CIS 4335. UNIX Systems Administration and Programming. 3 Semester Credit Hours.
Examine the underlying conceptual considerations of the UNIX operating system and its variants in mainframe, minicomputer, server and microcomputer application environments. Explore memory and process management, multi-programming and processing, interrupt structure, and parallel processing mechanisms and procedures. Special emphasis on practical application of configuration and programming of selected UNIX systems. Prerequisite(s): CIS 3305 or 12 hours of CIS courses or permission of department chair.

CIS 4340. Algorithm Design and Analysis. 3 Semester Credit Hours.
Examine computer algorithms, and learn to select appropriate algorithms for tasks within specific computing environments. Study searching and sorting algorithms for their importance in computing. Special emphasis on efficiency, readability, maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): CIS 3351 or permission of department chair.

CIS 4341. Information Technology Security and Risk Management. 3 Semester Credit Hours.
Examine the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. Learn critical security principles and best practices in order to plan, develop and perform security tasks. Special emphasis on hardware, software, processes, communications, applications, and policies and procedures with respect to organizational IT Security and Risk Management.

CIS 4342. Computer Security Principles and Practices. 3 Semester Credit Hours.
Explore current principles, theories, and concepts behind computer security. Examine basic methods and practices of security as it affects modern business operations. Special emphasis on cryptography, authentication, access control, database security, malware, intrusion detection, firewalls, security policy and management, software and operating system security, auditing and legal aspects of cyber security. Prerequisite(s): CIS 4341 or permission of department chair.

CIS 4343. Advanced Systems and Analysis. 3 Semester Credit Hours.
Examine data and process decomposition, and modeling in advanced systems analysis. Study the CASE tools which support models and interaction analysis of process and data. Explore the enterprise-wide view of system analysis, and understand the theory behind and the generation of normalized relational database tables. Prerequisite(s): CIS 3365 and CIS 4301 or permission of department chair.

CIS 4345. Network and Systems Security. 3 Semester Credit Hours.
Studies the issues of Network and Systems Security as a continuous process involving analysis, implementation, evaluation and maintenance. Topics will include addressing computer-related risks, case analysis, and future trends. The course will provide approaches, techniques, and best practices for securing modern electronic data systems and networks. Areas covered include information and message security, database and file integrity, physical security, security management, security risk analysis, and encryption/cryptography. Will include practical laboratories in the analysis, and configuration of networking security protocols and tools. Prerequisites: ITNW 2321 or CIS 3347 or approval of Department Chair.

CIS 4346. Applied Security. 3 Semester Credit Hours.
This course will validate and develop in-depth hands on knowledge about the operation and defense from malicious attacks. It builds on previous course work to understand rapid recovery and defense of systems from attack. Students develop knowledge about system vulnerabilities and the process of penetration of systems as a way to evaluate the security of systems. Specific topics include social engineering, malware and malicious software usage and identification, network security tool familiarization and system hardening. Prerequisite(s): CIS 4342 or approval of department chair.

CIS 4348. Security Trends and Malware Analysis. 3 Semester Credit Hours.
This course analyzes and investigates security threats and ethical hacking methods. It will introduce students to modern malware analysis techniques through a detailed examination of malware, virus, and malicious code operation by examining case studies and hands-on interactive analysis of real world samples. The course will also examine in detail current trends in the threat environment and the most current attack exploits. Student will use a variety of methods to investigate current security threats and their mitigation. Topics include malware morphology, disassembly of malware, ethical hacking methods on systems including penetration, and trends in the threat-scape. Prerequisite(s): CIS 4346 or approval of department chair.

CIS 4350. Management Information Systems. 3 Semester Credit Hours. (WI) Investigate management issues related to business information systems, which are designed to meet the informational needs of the various business subsystems. Special emphasis on systems development, security, and privacy and ethics associated with information systems. Credit will be awarded for only one of the following courses: ACCT 4350, CIS 4350, or MGMT 4350. Prerequisite(s): Senior standing.
CIS 4351. IS Project Management. 3 Semester Credit Hours.
This course studies the processes, methods, techniques and tools that organizations use to manage their information systems projects. The course covers a systematic methodology for initiating, planning, executing, controlling, and closing projects. This course assumes that project management in the modern organization is a complex team based activity, where various types of technologies (including project management software as well as software to support group collaboration) are an inherent part of the project management process. This course also acknowledges that project management involves both the use of resources from within the firm, as well as contracted from outside the organization. Prerequisite: Senior standing or approval of department chair.

CIS 4352. Structured Query Language. 3 Semester Credit Hours.
Study relational database schema, formulating queries and sub-queries of varying complexity, embedding query statements in a “host” language, and defining and querying data views. Prerequisite(s): CIS 4301 or permission of department chair.

CIS 4360. Strategic Information Systems. 3 Semester Credit Hours.
This course will explore necessary management actions, which will ensure that information is available, correct, manipulatable, protected, and archived in proper forms to allow for a strategic use of information systems in the enterprise. Throughout this course we will review a set of conceptual frameworks of IT management, and by developing a critical view of two levels of IT management – strategic and tactical. We will address the value/importance of IT from strategic and tactical perspectives, and the IT management challenges of managing people, processes and technology.

CIS 4375. Professional Senior Seminar. 3 Semester Credit Hours.
Participate in professional organizations, current events, research and presentations, job market analysis, interviewing, and resume preparation, in order to prepare for the professional certification exam. Prerequisite(s): 24 hours of CIS courses.

CIS 4376. Network Administration. 3 Semester Credit Hours.
Study communications architectures, protocols, and interfaces as related to network operating systems. Examine communications networking techniques, such as circuit switching, packet switching, broadcast networking, and internetworking. Special emphasis on installation, configuration, client handling, basic security, and troubleshooting of a network operating system. Use a modern network operating system in order to gain experience in configuration and administration of a network. Prerequisite(s): ITNW 2321 or CIS 3347 or permission of department chair. Networking Certification fee $175.

CIS 4378. Comprehensive Networking. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Specifically, the course will focus on the networking technology, including telecommunication basics, Local Area Networking LAN, wide area networking (WAN), networking operating system configuration, and network analysis, maintenance and administration. Application exercises include the configuration of a network operating system, and network performance analysis and simulation. A modern network operating system will be used for extensive hands-on exercises to practice and demonstrate networking skills. Prerequisite(s): CIS 3348 or (COSC 2436 and ITSE 1431 and MATH 2414). Networking program fee $175.

CIS 4379. Software Engineering for E-Business. 3 Semester Credit Hours.
This course examines the linkage of organizational strategy and electronic methods of delivering products, services, and exchanges in inter-organizational, national, and global environments. Information technology strategy and technological solutions for enabling effective business processes within and between organizations in a global environment are considered. Students study a software life-cycle model, fundamental software engineering principles, and documentation standards in detail. An E-Business team project is required, which emphasizes the production of high quality software for medium and larger scale projects. Prerequisite(s): (CIS 3340 or CIS 3341 or CIS 3342 or CIS 3343) and senior standing.

CIS 4380. Software Engineering. 3 Semester Credit Hours.
Examine the production of high quality software for medium and larger scale projects. Explore theoretical software engineering research as the basis for a practical approach to developing quality software. Special emphasis on the software life-cycle model, fundamental software engineering principles, and documentation standards in detail. Prerequisite(s): CIS 3340 or CIS 3341 or CIS 3342 or CIS 3343 and senior standing.

CIS 4384. Internship in Computer Information Systems. 3 Semester Credit Hours.
Gain practical work experience as a programmer/programmer analyst. Apply the principles, concepts, and skills learned during the first three years of collegiate training to the field of computer information systems. May be repeated for credit. Prerequisite(s): Permission of internship coordinator or department chair. Field experience fee $75.

CIS 4388. Computer Information Systems Problems. 1-3 Semester Credit Hours.
Explore selected topics in business on technical computer applications, practicum, field project, or other suitable computer studies. Prerequisite(s): Permission of department chair.

CIS 5090. Computer Information Systems Comprehensive Examination. 0 Semester Credit Hours.
Prepare for and take the CIS comprehensive exam. Students should take this exam in their last semester, their second to last semester, or when all the core classes have been taken. Students taking the thesis option do not need to take this exam.

CIS 5302. Procedural Language Programming and Design. 3 Semester Credit Hours.
Study the design and programming of business systems. Examine primary program design tools such as hierarchy charts, flowcharts, and pseudo code. Learn comparison, data validation, control breaks and tables, with special emphasis on standard modular design.

CIS 5303. Foundations of Computer Programming. 3 Semester Credit Hours.
Examine the concepts and tools of programming that underlie the principles of computer systems. Special emphasis on concepts that assist in the creation and support of Management Information Systems. Prerequisite(s): CIS 5302 or permission of department chair.

CIS 5304. Telecommunications for Managers. 3 Semester Credit Hours.
Examine the management and utilization of data communication technologies including technical components, configurations, applications, protocols, legal issues, software and management issues, Local Area Network (LAN) technologies, and security issues.
CIS 5307. Systems Analysis for Managers. 3 Semester Credit Hours.
Examine and evaluate analysis approaches for application automation.
Special emphasis on management considerations for planning and
developing automated systems.

CIS 5310. Technology Planning for Educators. 3 Semester Credit Hours.
Examine the technology planning process for educational leaders.
Study the theories, practices, and competencies required to effectively
design, implement, and evaluate a technology plan for instructional and
administrative purposes within a school district.

CIS 5311. Managing Information Systems. 3 Semester Credit Hours.
Study the management and use of information and technology as a
resource to create competitive businesses, manage global operations,
provide useful products and provide quality services to customers,
whether public or private. Examine information systems management,
intellectual property, privacy, organizational and societal impact, legal
issues, ethics, security issues, decision making, strategic information
systems, and organizational support systems.

CIS 5312. Technology Support Management Operations. 3 Semester
Credit Hours.
Study issues of organizing and staffing a technical support help
desk. Explore the numerous management techniques and operational
concepts that businesses and governmental organizations use to
manage successful technical support activities. Survey the wide array
of commercially available technical support software, and work with the
public to deliver technical support in an operational environment.

CIS 5316. Advanced Database Management. 3 Semester Credit Hours.
Examine the objectives and methodologies of database management.
Gain experience working with commercial databases. Special emphasis
on data models, database design, data dictionaries, fourth generation
programming languages, data integrity, security, and privacy.

CIS 5318. Quantitative Concepts. 3 Semester Credit Hours.
Examine measurements related to software projects and applying
measurement techniques to information technology related problems.
Use a statistical program to analyze data, and perform analyses
of programs and selected algorithms. Prerequisite(s): CIS 5302 or
permission of department chair.

CIS 5319. Decision Support Systems. 3 Semester Credit Hours.
Examine the fundamentals of management support systems. Special
emphasis on Decision Support Systems and other collaborative systems,

CIS 5320. Computer Based Systems Seminar. 3 Semester Credit Hours.
Explore selected topics in computer based systems. Topics will vary
according to timeliness and special needs. May be repeated once for
credit as topics vary.

CIS 5325. Unified Modeling Language. 3 Semester Credit Hours.
Study Systems Development Life Cycle using the Unified Modeling
Language (UML) in an object-oriented software system environment.
Model the elements, structure, and behaviors of object-oriented software
systems using UML. Learn how to use UML to identify objects and
classes, to capture requirements and define use cases, to extend and
enhance visual models, and to model the details of object behavior with
activity and state-chart diagrams.

CIS 5327. Object Role Modeling. 3 Semester Credit Hours.
Study methodologies suited to describing relationships that exist in a
system. Explore the concept of a system, including sets of objects which
interact to solve a problem and create a business process model. Work
in teams to analyze problems and implement system level solutions.
Prerequisite(s): CIS 5303 or permission of department chair.

CIS 5345. Extensible Markup Language. 3 Semester Credit Hours.
Study well-formed XML and validated XML documents and the language
facilities for working with hierarchical data. Describe and transform XML
data to an external presentation using real world problems.

CIS 5349. Topics in Programming. 3 Semester Credit Hours.
Develop programming proficiency in a modern programming language.
Undertake multiple programming assignments to achieve necessary
knowledge and skills. May be repeated once for credit as topics vary.
Prerequisite(s): Permission of department chair.

CIS 5350. Selected Topics in Computer Information Systems. 1-3
Semester Credit Hours.
Examine topics in Computer Information Systems, with focus on current
and recent developments. May be repeated as topics vary for a maximum
of 6 semester hours. Prerequisite(s): Permission of department chair.

CIS 5351. Information Technology Project Management. 3 Semester
Credit Hours.
Study the genesis of project management and its importance to
improving the success of information technology projects. Utilize project
management concepts and techniques within group projects, as a project
manager or active team member. Prerequisite(s): CIS 5311 or permission
of department chair.

CIS 5352. Decision Analysis Tools. 3 Semester Credit Hours.
Apply tools in solving financial, statistical, and managerial decision-
making problems. Study spreadsheet-based functions to solve a variety
of organizational problems. Prerequisite(s): CIS 5311 and knowledge of
basic spreadsheet functions.

CIS 5353. Big Data Analytics and Management. 3 Semester Credit Hours.
Study fundamental concepts and principles of Big Data Analytics and
its role in supporting/enhancing organizational decision making and
predictions. Special emphasis on Big Data, trends, challenges and
applications, analytic methods, tools, technologies, infrastructure
and strategies for Big Data Management, data Privacy and Ethics.
Prerequisite(s): CIS 5311 or permission of department chair.

CIS 5354. Advanced Methods in Big Data Analytics. 3 Semester Credit Hours.
Study advanced concepts and principles of Big Data Analytics and its
role in supporting/enhancing organizational decision making and
predictions. Special emphasis on NoSQL Databases, Hadoop Ecosystem, MapReduce,
Pig, Hive, Natural Language Processing, Social Network Analysis, and
Data Visualization. Prerequisite(s): CIS 5353, Java Programming or
permission of department chair.

CIS 5365. Web Development. 3 Semester Credit Hours.
Examine theory and application of the multimedia application
development process. Develop the web-based authoring and scripting
tools, to use in the creation of various types of web-based projects.
Special emphasis on the planning, design, projection, and evaluation of
interactive web-based projects for delivery through a variety of media.

CIS 5366. Computer Based Training. 3 Semester Credit Hours.
Examine theory and application of the multimedia application
development process to the creation of computer-based training. Review
the principles of instructional design and application of these principles
to interactive computer- based training. Explore multimedia authoring
and scripting tools and their use in the creation of various types of
computer-based training projects. Special emphasis on planning, design,
and production, and evaluation of computer-based training projects
for delivery through a variety of media. Prerequisite(s): Permission of
department chair.
CIS 5369. Project Management. 3 Semester Credit Hours.
Study theory and application of project management techniques to multimedia application development. Review principles of project management and the appropriate application of these principles to multimedia-based projects. Explore computer-based project management tools and their use in the management of multimedia-based projects. Special emphasis on planning, design, projection, and evaluation of complex interactive multimedia-based projects for delivery through a variety of media. Prerequisite(s): CIS 5365 and CIS 5366 or permission of department chair.

CIS 5370. Foundations of Information Security. 3 Semester Credit Hours.

CIS 5376. Network Administration and Design LAN. 3 Semester Credit Hours.
Study communication architectures, protocols and interfaces. Explore communications networking techniques such as circuit switching, message switching, packet switching, broadcast networking and inter-networking. Prerequisite(s): CIS 5304 or permission of department chair.

CIS 5378. Network Design and Administration WAN. 3 Semester Credit Hours.
Study network installation planning, and preparation. Examine installing a network operating system, configuring the user environment, and creating the user interface. Establish network security and printing services, and explore network administration, network utilities, maintenance techniques, monitoring performance, trouble shooting and configuring the network for maximum efficiency. Prerequisite(s): CIS 5376.

CIS 5379. Technology of E-Business. 3 Semester Credit Hours.
Study the technical and business considerations for creating and operating an electronically based business. Examine the environment from an operational and legal perspective. Analyze the technologies available and implement an e-commerce project integrating database, web pages, and script languages.

CIS 5380. E-Business Application Development. 3 Semester Credit Hours.
Examine issues related to supporting a business that uses the Internet and other on-line implementations. Work in a team environment, simulating a business organization, to develop and implement database and Internet technologies. Prerequisite(s): CIS 5303 and CIS 5316 or permission of department chair.

CIS 5381. Research Project with Laboratory. 3 Semester Credit Hours.
Engage in independent study in selected topics in Information Systems. May be repeated for credit once when topics change. Prerequisite(s): Permission of department chair.

CIS 5382. Research Methods in Computer Information Systems. 3 Semester Credit Hours.
Overview of research problems and techniques in computer information systems. Students learn how to formulate a research question, conduct a literature survey, and select appropriate research methods to answer their research questions, and to collect and analyze data.

COSC 3304. Topics in Computer Science. 3 Semester Credit Hours.
Explore selected topics in computer systems including programming languages, programming techniques, or other specialized topics. May be repeated once for credit as topics vary. Prerequisite(s): 6 semester hours of COSC or permission of department chair.

COSC 3320. Introduction to Software Engineering. 3 Semester Credit Hours.
Study object-oriented software development process, requirements analysis, software design concepts and methodologies, object-oriented programming, and debugging. Prerequisite(s): COSC 2436; ITSE 2431.

COSC 3351. Data Structures. 3 Semester Credit Hours.
Examine theory and application of commonly used computer data structures, files, file organization and access methods, databases, and other storage and retrieval methods. Prerequisite(s): A programming course in C/C++, Visual Basic, Java, or permission of department chair.

COSC 3360. Ethics in Computing. 3 Semester Credit Hours.
(WI) Examine personal and contemporary organizational ethical issues and challenges in the design, development and use of computing technologies in a global environment. Special emphasis on philosophical basis for computer ethics, reliability and safety of computer systems, protecting software and other intellectual property, computer crime and legal issues, and professional codes of ethics such as AIS, ACM, IEEE.

COSC 3380. E-Business Application Development. 3 Semester Credit Hours.
Examine issues related to supporting a business that uses the Internet and other on-line implementations. Work in a team environment, simulating a business organization, to develop and implement database and Internet technologies. Prerequisite(s): CIS 5303 and CIS 5316 or permission of department chair.

COSC 3381. Research Project with Laboratory. 3 Semester Credit Hours.
Engage in independent study in selected topics in Information Systems. May be repeated for credit once when topics change. Prerequisite(s): Permission of department chair.

COSC 3382. Research Methods in Computer Information Systems. 3 Semester Credit Hours.
Overview of research problems and techniques in computer information systems. Students learn how to formulate a research question, conduct a literature survey, and select appropriate research methods to answer their research questions, and to collect and analyze data.
COSC 4301. Database Theory and Practices. 3 Semester Credit Hours.
Examine database concepts and structures. Learn the file and data management principles underlying database construction. Explore fundamental types of database models, with emphasis on relational databases as well as on major non-relational forms. Gain experience in analysis, design, development, and optimization of working database applications on a variety of problems. Special emphasis on small and large system databases. Credit for both CIS 4301 and COSC 4301 will not be awarded.

COSC 4310. Artificial Intelligence. 3 Semester Credit Hours.
A study of AI programming techniques and tools. Topics include Expert Systems, Neural Networks, Genetic Algorithms, Automatic Programming, heuristic search, and others.

COSC 4311. Android Application Development. 3 Semester Credit Hours.
This course explores the design and development of mobile applications such as Android, including resources, user interfaces, services, alarms, maps and location based services.

COSC 4340. Analysis of Algorithms. 3 Semester Credit Hours.
Study modern computer algorithms with emphasis on how to select the best algorithm for a task considering the specific computing environment. Examine searching and sorting algorithms for their importance in computing. Special emphasis on efficiency, readability, maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): COSC 3351.

COSC 4341. Information Technology Security and Risk Management. 3 Semester Credit Hours.
Examine the realm of information assurance and security. Study the fundamental principles, concepts, and common body of knowledge of information security. Explore telecommunication and network security, software development and physical security, cryptography, security architecture, operations security, business continuity and disaster recovery planning. Understand the legal and ethical issues in technology security, and risk management.

COSC 4378. Computer Networks. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Specifically, the course will focus on the networking technology, including telecommunication basics, Local Area Networking (LAN), wide area networking (WAN), networking operating system configuration, and network analysis, maintenance, and administration. Application exercises include the configuration of a network operating system, and network performance analysis and simulation. A modern network operating system will be used for extensive hands-on exercises to practice and demonstrate networking skills. Prerequisite(s): CIS 3348 or (COSC 2436 and ITSE 1431 and MATH 2414).

COSC 4379. Software Engineering for E-Business. 3 Semester Credit Hours.
This course examines the linkage of organizational strategy and electronic methods of delivering products, services and exchanges in inter-organizational, national, and global environments. Information technology strategy and technological solutions for enabling effective business processes within and between organizations in a global environment are considered. Students study a software life-cycle model, fundamental software engineering principles, and documentation standards in detail. An E-Business team project is required, which emphasizes the production of high quality software for medium and larger scale projects. Prerequisite(s): (CIS 3340 or CIS 3341 or CIS 3342) and senior standing.

COSC 4388. Computer Science Problems. 1-4 Semester Credit Hours.
Explore selected topics in computer science. May be repeated with the permission of the department chair for additional credit when fewer than four credits have been earned. Prerequisite(s): 9 hours of COSC.

COSC 4389. Special Topics in Computer Science. 3 Semester Credit Hours.
(WI) Explore selected topics in computer science, such as artificial intelligence, security, robotics, and human-computer interaction. May be repeated for additional credit with permission of the department chair. Prerequisite(s): 9 hours of COSC.

Counseling (COUN)

COUN 5090. Comprehensive Examination. 0 Semester Credit Hours.
Study for and take the behavioral examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

COUN 5300. Behavioral Statistics. 3 Semester Credit Hours.
Study descriptive statistics with inferential statistics, correlation, one-way and two-way analysis of variance, regression analysis and experimental design. Use computer software with emphasis on experience with SPSS.

COUN 5301. Research Methods. 3 Semester Credit Hours.
Study the scientific method of research, types of research and research design. Develop a research project with the assistance of instructor. Prerequisite(s): COUN 5300 or equivalent graduate statistics course or permission of department chair.

COUN 5304. Human Development. 3 Semester Credit Hours.
Study the development of human beings from conception to death. Learn research and theory of physical, cognitive, social and personality development in each of the different age groups, prenatal, infancy, childhood, adolescence, and adulthood also covers related ethical concerns.

COUN 5309. Assessment and Treatment of Marital and Family Systems. 3 Semester Credit Hours.
Study evaluative methods and assessment techniques as well as treatment plans and strategies for examining and treating problematic and dysfunctional marital and family systems. Emphasis is placed on case analysis, management and treatment. Prerequisite(s): COUN 5350 and COUN 5356 or permission of department chair.

COUN 5310. Family Relations and Development. 3 Semester Credit Hours.
Study family systems in relation to life-cycle stages, cultural issues and influences, gender issues, family functions and structural changes. Examine divorce, post-divorce, remarried, single parent and other alternative family systems for assessment and intervention.

COUN 5311. Cultural, Minority and Gender Issues. 3 Semester Credit Hours.
Study the interaction of social/cultural groups in America, problems of minorities and ethnic groups, problems related to gender and age, problems within family systems and contemporary sources of positive change also covers related ethical concerns.
COUN 5313. Crisis Intervention and Management. 3 Semester Credit Hours.
Examine the dynamics and treatment of situation crises in various settings. Study theories and approaches to crisis intervention and management. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5320. Advanced Family Systems Theory. 3 Semester Credit Hours.
Examine theories of family systems in relation to internal functioning and the external environment, including concepts of multi-generational transmission, fusion, emotional cutoff, differentiation, family projection and triangulation among others.

COUN 5324. Human Sexuality and Sexual Dysfunction. 3 Semester Credit Hours.
Explore sexuality, including reproductive physiology, sexual development and the etiology and treatment of sexual dysfunction. Learn the role of sexuality in marital and family dynamic and on treatment planning for sexual dysfunction. Prerequisite(s): COUN 5350 and COUN 5356 or permission of department chair.

COUN 5350. Foundations of Counseling. 3 Semester Credit Hours.
Study individual and group counseling, testing career planning and placement, referral, and consultation. Examine related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues.

COUN 5351. Career Counseling and Guidance. 3 Semester Credit Hours.
Study career counseling and guidance services that focus on occupational, educational, and personal/social issues for general and special populations. Examine theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities, and related ethical concerns. Additional purchase of occupational and education information materials may be required.

COUN 5352. School Counseling Seminar. 3 Semester Credit Hours.
Study comprehensive school counseling and guidance programs. Examine theoretical foundation, knowledge, and skills to prepare the student to implement a counseling and guidance program in an educational (K-12) setting. Covers related ethical concerns. Certification Fee - $150.

COUN 5353. Personality and Counseling Theory Application. 3 Semester Credit Hours.
Investigate personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations, role play, other experiential methods, and related ethical concerns. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5354. Group Procedure for Counselors. 3 Semester Credit Hours.
Explore group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, special populations, and related ethical concerns while supervised. Prerequisite(s): COUN 5350 and COUN 5357 or permission of department chair.

COUN 5356. Introduction to Family Counseling. 3 Semester Credit Hours.
Learn family systems theory as applied to the study of family dynamics, family development, and the resolution of both family and ethical concerns.

COUN 5357. Methods and Practices in Counseling. 3 Semester Credit Hours.
Study counseling pre-interns to methodology that goes beyond building basic counseling skills and techniques. Learn the basics of professional documentation, treatment planning, legal issues related to counseling, psychological services, and basic business practices. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5358. Counseling Perspective on Psychopathology. 3 Semester Credit Hours.
Explore psychopathology that includes the history of abnormal behavior and an in-depth study of the specific diagnostic psychological disorders. Emphasis will be on classification systems currently used in clinical settings, treatment alternatives from a counseling perspective, and related ethical concerns. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5359. Brief Therapy. 3 Semester Credit Hours.
Explore psychopathology that includes the history of abnormal behavior and an in-depth study of the specific diagnostic psychological disorders. Emphasis will be on classification systems currently used in clinical settings, treatment alternatives from a counseling perspective, and related ethical concerns. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5363. Substance Abuse. 3 Semester Credit Hours.
Study addiction counseling. Special emphasis is given to models of addiction, chemical dependence, process addictions, co-dependence and related ethical concerns.

COUN 5365. Ethical Foundation of Counseling. 3 Semester Credit Hours.
Explore ethical principles of counselors, related codes of ethics, models for ethical decision making, and how to apply them to counseling practice.

COUN 5367. Play Therapy. 3 Semester Credit Hours.
Learn play therapy with an emphasis on developing counseling skills using play as the means of communication and understanding. Study background, history, various play techniques, and related ethical concerns. Prerequisite(s): COUN 5350 or permission of department chair.

COUN 5381. Assessment and Evaluation Fundamentals. 3 Semester Credit Hours.
Examine nature and development of standardized tests, with emphasis on ethical standards, psychometric theory, test standards, and test construction. Selection criteria and utilization of standardized or other instruments in various environments are considered. Analyze evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): COUN 5300 or permission of department chair.

COUN 5383. Consultation and Supervision. 3 Semester Credit Hours.
Study application of psychological principles of consultation and supervision in selected settings. Emphasis is on analysis of client and consultee/supervisor behaviors, individual and group communications, program evaluation and possible intervention options in selected environments. Prerequisite(s): COUN 5393, COUN 5350 and COUN 5353.

COUN 5384. Scholarship Counseling Internship I. 3 Semester Credit Hours.
Explore professional activities in guidance and counseling while supervised. Major emphasis is placed on involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement and lab experiences are included. Prerequisite(s): COUN 5352. Field experience fee - $75.
COUN 5385. Scholarship Counseling Internship II. 3 Semester Credit Hours.
Experience professional activities in counseling and guidance, supervised in the area of interest. Major emphasis is placed on the integration of theoretical and conceptual principles, as well as professional and personal skill development, and all related ethical concerns. Prerequisite(s): COUN 5391 and the application for internship. Field experience fee - $75.

COUN 5386. Clinical Mental Health Internship. 3 Semester Credit Hours.
Explore professional activities in counseling and become familiar with a variety of professional activities and resources. Must complete 600 clock hours, of which at least 240 are direct client contact, in no less than two semesters and no more than three semesters. Interns will receive a minimum of 1.5 hours per week of group supervision and 1 hour per week of individual/triadic supervision. Prerequisite(s): COUN 5393 and permission of Practicum/Internship Director. Field experience fee - $75.

COUN 5388. Counseling Problems. 1-3 Semester Credit Hours.
Study of selected problems in counseling. Open to graduate students in counseling who are independently capable of developing a problem in the area of counseling and guidance. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need.

COUN 5389. Special Topics in Counseling. 3 Semester Credit Hours.
Examine current advanced study material on a specialized topic of interest to counseling and psychology. Explore required readings from current counseling and psychology publications and other related periodicals. Course may be repeated for credit as topics vary.

COUN 5391. School-Counseling Practicum I. 3 Semester Credit Hours.
Explore professional activities in guidance and counseling. Major emphasis is placed on the involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement and lab experiences are included. Prerequisite(s): COUN 5350, COUN 5351, COUN 5353, COUN 5354, COUN 5357, COUN 5352. Field experience fee - $75.

COUN 5392. School-Counseling Practicum II. 3 Semester Credit Hours.
Experience professional activities in counseling and guidance in area of interest. Major emphasis is placed on the integration of theoretical and conceptual principles, as well as professional and personal skill development, and related ethical concerns. Prerequisite(s): COUN 5391 and the application for internship. Field experience fee - $75.

COUN 5393. Clinical Mental Health Practicum. 3 Semester Credit Hours.
Gain professional experience in marriage and family, mental health, and/or counseling and guidance placements in the Community Counseling and Family Therapy Center, or in placements outside the university. The field experience will consist of 100 clock hours with 40 client contact hours. Weekly individual and group supervision is included. Prerequisite(s): COUN 5350, COUN 5353, COUN 5354, COUN 5357, COUN 5358 and COUN 5365 with a B or better in each course; and consent of the practicum/internship director. Field Experience fee - $75.

Criminal Justice (CRIJ)

CRIJ 3300. Juvenile Delinquency. 3 Semester Credit Hours.
Study the nature, extent, causation, treatment, and prevention of juvenile delinquency, including a survey of the procedures and operations of the juvenile justice agencies.

CRIJ 3301. Female Offenders. 3 Semester Credit Hours.
Study female offenders in the criminal justice system, including historical perspectives, juvenile offenders, programming and treatment, and prison and community corrections.

CRIJ 3305. Criminology. 3 Semester Credit Hours.
Study and critique various theories of crime causation, including an examination of classical, biological, psychological, and sociological perspectives on the etiology of crime. Maybe crosslisted with SOCI 3305. Only one may be taken for credit.

CRIJ 3310. Criminal Justice Supervision and Management. 3 Semester Credit Hours.
Study theories and principles of supervision as applied to criminal justice agencies including organization, leadership, motivation, human resources flow, and managerial ethics. Prerequisite(s): Junior classification or permission of instructor.

CRIJ 3311. Techniques of Interviewing. 3 Semester Credit Hours.
Study interview and interrogation techniques, including preparation, environmental and psychological factors, legal issues, and ethics.

CRIJ 3315. Criminal Evidence. 3 Semester Credit Hours.
Analyze the procedures and rules of evidence applied to the acquisition, offering, admissibility, and presentation of evidence from the crime scene, courtroom, and appellate court perspectives.

CRIJ 3320. Policing. 3 Semester Credit Hours.
Examine law enforcement, and the role of police in communities and society. Learn to critically evaluate policing as a profession. Special emphasis on dispelling myths and providing tools needed to reach conclusions based upon the available research in the field of police work.

CRIJ 3325. Institutional Corrections. 3 Semester Credit Hours.
Study the structure and function of correctional systems and how various philosophies of correctional treatment affect the operation of confinement institutions.

CRIJ 3330. Community Corrections. 3 Semester Credit Hours.
Study the philosophy, administrative procedures, and operational techniques used in the community based treatment and supervision of offenders.

CRIJ 3340. Homeland Security. 3 Semester Credit Hours.
Study the strategic, legal, policy, operational, and organizational issues associated with the defense of the U.S. homeland from foreign and domestic terrorist threats. Examine the psychology of mass movements, terrorists’ ideology, religion and terror, legal issues in homeland security, weapons of mass destruction, effective interfacing between local, state, and federal agencies, emergency management operations, and dealing with mass casualties.

CRIJ 3345. Criminal Justice in Film. 3 Semester Credit Hours.
Explore the role of film in the development of perceptions and stereotypes of criminals, criminal justice professionals, and victims.

CRIJ 3352. Physical Aspects of Forensic Science. 3 Semester Credit Hours.
Examine various forensic physical sciences and their relation to crime scene investigation and the collection, preservation and identification of evidence. Learn methods of laboratory analysis of fingerprints, firearms, tool marks, documents, and evaluate trace evidence, such as glass, soil, paint, hairs, and fibers.
CRIJ 3353. Biological Aspects of Forensic Science. 3 Semester Credit Hours.
Examine various forensic biological sciences and their relation to crime scene investigation and the collection, preservation and identification of evidence. Learn methods of laboratory analysis including forensic disciplines of pathology, anthropology, odontology, entomology, toxicology, serology, DNA, and blood pattern analysis.

CRIJ 3356. Medicolegal Death Investigation. 3 Semester Credit Hours.
Develop a basic understanding of the specialty field of death investigation. Study death investigation in Texas with medicolegal investigative system and forensic pathology, death scene investigation and teamwork, and establishing cause, manner and time of death.

CRIJ 3384. Criminal Justice Field Experience. 3 Semester Credit Hours.
Application and integration of academic content and development of skills within a criminal justice setting. Entry into this course will be arranged with the internship coordinator. May be taken more than once for credit. Field experience fee $75.

CRIJ 4312. Criminal Justice Ethics. 3 Semester Credit Hours.
(WI) Analyze contemporary ethical issues in crime and justice. Classical and contemporary ethical theories are applied to the discussion of such issues as discretion, corruption, use of force, racism, deception, professionalism, and the nature and meaning of justice.

CRIJ 4315. Criminal Justice Statistics. 3 Semester Credit Hours.
Learn statistical concepts and techniques that can assist in evaluating research. Techniques include measures of central tendency, dispersion, and significance. Examine hypothesis testing using t-tests, ANOVA, and Chi square, and learn to manipulate, analyze, and interpret data using SPSS.

CRIJ 4316. Methods of Criminal Justice Research. 3 Semester Credit Hours.
(WI) Learn the methods of criminological and criminal justice research, with emphasis on research ethics, research design, and methods of data collection and analysis.

CRIJ 4320. Criminal Justice Statistics II. 3 Semester Credit Hours.
Learn intermediate-level statistics used in Criminal Justice research, with focus on statistical analyses commonly used in hypothesis testing with an introduction to measures of association and multivariate analyses. Prerequisite(s): CRIJ 4315 or permission of instructor.

CRIJ 4350. Advanced Investigation. 3 Semester Credit Hours.
Explore advanced criminal and civil investigation, with an introduction to special investigative techniques. Emphasis on crime scene processing, crime scene analysis, forensic evaluations, investigative techniques, and investigative surveys.

CRIJ 4351. Forensic Anthropology. 3 Semester Credit Hours.
Apply the science of physical anthropology to the legal investigative process. Learn to identify human remains, as well as age, sex, ancestry, and stature of those remains and how these are used to help establish positive identification. Special emphasis on skeletal trauma and pathology to determine cause and manner of death. Cross-listed with ANTH 4351; only one may be taken for credit.

CRIJ 4388. Criminal Justice Problems. 3 Semester Credit Hours.
Engage in independent reading, research, and discussion on selected criminal justice topics. Entry into this course will be arranged by the instructor.

CRIJ 4389. Special Topics in Criminal Justice. 3 Semester Credit Hours.
Explore selected criminal justice topics. Topics will vary according to timeliness and special needs. May be taken more than once for credit.

CRIJ 4395. Criminal Justice Senior Seminar. 3 Semester Credit Hours.
Utilize knowledge of the criminal justice system in the capstone of the criminal justice curriculum. Examine current practices related to operations, recruitment, testing, training, and law, to prepare for entry into the criminal justice profession. Prerequisite(s): CRIJ 3305, CRIJ 3310 and CRIJ 4316. Restricted to senior-year CJ majors.

CRIJ 5090. Criminal Justice Comprehensive Examination. 0 Semester Credit Hours.
Study and integrate criminal justice knowledge in order to take the criminal justice comprehensive exam for non-thesis students. Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

CRIJ 5198. Criminal Justice Thesis. 1-3 Semester Credit Hours.
Prepare and write a graduate thesis in the field of criminal justice. This course represents a student's initial and continuing thesis enrollment. At least six total hours is required to complete the thesis requirement. The student continues to enroll in this course until the thesis is submitted and the thesis is successfully defended.

CRIJ 5300. Multivariate Analysis. 3 Semester Credit Hours.
Learn multivariate techniques and measures, including chi-based, lambda, gamma, Spearman's rho, and Pearson's r, bivariate and partial tables, scatterplots, and regression. Use and interpret statpak and outputs. Utilize basic upper-level, undergraduate statistics, including measures of central tendency, dispersion, and hypothesis testing using significance levels. Prerequisite(s): Undergraduate or graduate coursework in statistics or permission of instructor.

CRIJ 5301. Advanced Criminology. 3 Semester Credit Hours.
Examine major theoretical perspectives of crime and deviance. Analyze theories for their logical and empirical adequacy in light of what is known about the distribution of crime and deviant behavior. Prerequisite(s): Undergraduate or graduate coursework in Criminology or permission of instructor.

CRIJ 5302. Philosophy of Law. 3 Semester Credit Hours.
Explores the origin of law, the purpose of law, and law and morality. Examine different philosophical perspectives influencing law makers, law enforcers, and judicial decision making.

CRIJ 5303. Race and Ethnicity. 3 Semester Credit Hours.
Examine issues related to racial and ethnic minorities and crime in America, including perceptions of race, class, offending, and victimization. Emphasis on disparities in offending, victimization, law enforcement practices, trial process, and sentencing.

CRIJ 5304. Advanced Methods in Criminal Justice. 3 Semester Credit Hours.
Study social scientific research methods applied to criminal justice research, and critically examine research designs and published findings. Includes an advanced review of procedures and techniques for research in criminology, law enforcement, courts, and corrections. Prerequisite(s): Undergraduate or Graduate course in Research Methods or permission of instructor.

CRIJ 5305. The Juvenile Justice System. 3 Semester Credit Hours.
Analyze the policies and practices of the juvenile justice system.

CRIJ 5306. Criminal Justice Program Evaluation. 3 Semester Credit Hours.
Learn to define program evaluation, the need for program evaluations, and the methods used to conduct evaluations.
CRIJ 5307. Homeland Security. 3 Semester Credit Hours.
Study strategic, legal, policy, operational, and organizational issues associated with the defense of the U.S. homeland from foreign and domestic terrorist threats. Topics include legal issues in Homeland Security, effective interfacing between local, state, and federal agencies, emergency management operations, and planned response strategies. Maybe crosslisted with HLS 5307. Only one may be taken for credit.

CRIJ 5309. Terrorism. 3 Semester Credit Hours.
Examine the definitions, history, beliefs, practices, organizational structure, and conflicts involved in terrorist activities. Address funding and criminal connections with terrorist organizations, efforts at counterterrorism as well as the psychological aspects of suicide terrorism.

CRIJ 5310. Criminal Justice System. 3 Semester Credit Hours.
Examine the criminal justice system in the United States, with a systemic approach to the study of criminal justice and the interrelationships of the various components. Special emphasis on the social and political issues related to the criminal justice system.

CRIJ 5311. Regression Analyses. 3 Semester Credit Hours.
Provides linear regression, logistic regression, and ordinal logistic regression, and learn how to clean data and work with syntax.

CRIJ 5312. Treatment in Corrections. 3 Semester Credit Hours.
Study the various types of treatment provided in corrections. Learn about treatment programs used in correctional institutions and community corrections, with an emphasis on evidence-based treatment.

CRIJ 5321. Leadership and Supervision. 3 Semester Credit Hours.
Examine leadership and organizational theories focused on identifying problems and solutions in criminal justice management. The case study method and current literature provide experiences on how leadership styles, human resources, and the organizational environment impact management decisions. Maybe crosslisted with HLS 5321. Only one may be taken for credit.

CRIJ 5322. Advanced Criminal Justice Ethics. 3 Semester Credit Hours.
Study the practical implications of moral philosophy and ethics in a free society during the day-to-day administration of a criminal justice agency.

CRIJ 5388. Criminal Justice Problems. 1-3 Semester Credit Hours.
Engage in independent reading, research, and discussion on selected criminal justice topics. Entry into this course will be arranged with the School Director. Students may repeat this course for a total of 6 hours credit when topics vary.

CRIJ 5389. Special Topics in Criminal Justice. 3 Semester Credit Hours.
Examine selected topics related to criminal justice. This course may be repeated when topics vary, for additional course credit.

Economics (ECON)

ECON 3301. Intermediate Macroeconomics. 3 Semester Credit Hours.
Study of the aggregate economy introduced in Economics 2301 with emphasis on theory. Learn the Classical and Keynesian systems, general equilibrium theories, economic growth, and public policy in a global setting. Prerequisite(s): ECON 2301.

ECON 3302. Intermediate Microeconomics. 3 Semester Credit Hours.
Explore advanced studies of microeconomic theory. Special emphasis on consumer behavior, production and cost theory, market structure, and factor markets. Prerequisite(s): ECON 2302.

ECON 3303. Money and Banking. 3 Semester Credit Hours.
Study the structure and functions of financial markets and financial intermediaries, the behavior and pattern of interest rates, the basic concepts of commercial bank management, the nature of money and the role of the Federal Reserve in its creation, the basic structure of the economy and the impact of monetary actions on this structure. Credit for both FIN 3303 and ECON 3303 will not be awarded. Prerequisite(s): ECON 2301.

ECON 3304. Environmental Economics. 3 Semester Credit Hours.
Study the economics of the natural environment. Economic tools and issues such as social cost, externalities, cost-benefit analysis, property rights, and state and federal environmental policies will be examined with emphasis on problems associated with water pollution, waste disposal, and society's burden of social costs. Prerequisite(s): 3 hours ECON.

ECON 3305. Economics in Financial Markets. 3 Semester Credit Hours.
Study the aggregate financial system and capital markets and the impact these have on financial intermediaries. Particular emphasis on flow of funds analysis, interest rate theory, role of financial intermediaries, and management of financial assets. Credit for both FIN 3304 and ECON 3305 will not be awarded. Prerequisite(s): FIN 3301 and ECON 3303.

ECON 3306. Political Economy. 3 Semester Credit Hours.
Study the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both POLI 3306 and ECON 3306 will not be awarded. Prerequisite(s): 3 hours of ECON and 6 hours of POLI or permission of instructor.

ECON 4301. International Economics. 3 Semester Credit Hours.
Analyze international economic theory and policy, the foundations of modern trade theory and its extensions, welfare effects of tariffs and non-tariff barriers, commercial policies of the United States, trade policies of developing countries, multinationals, balance of payments, and foreign exchange markets. Prerequisite(s): 3 hours ECON.

ECON 4302. Economic Development of the US. 3 Semester Credit Hours.
Study the economic development of the United States from colonial times to the present. Credit for both ECON 4302 and HIST 4302 will not be awarded. Prerequisite(s): ECON 1301 or ECON 2301 and 6 hours HIST.

ECON 4310. Managerial Economics. 3 Semester Credit Hours.
Study economic theory and methodology in business and administrative decision-making. Learn the tools of economic analysis and their use in formulating business policies. Particular emphasis on profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FIN 4310 and ECON 4310 will not be awarded. Prerequisite(s): FIN 3301.

CRIJ 5307. Homeland Security. 3 Semester Credit Hours.
Study of the aggregate economy introduced in Economics 2301 with emphasis on theory. Learn the Classical and Keynesian systems, general equilibrium theories, economic growth, and public policy in a global setting. Prerequisite(s): ECON 2301.

ECON 3302. Intermediate Microeconomics. 3 Semester Credit Hours.
Explore advanced studies of microeconomic theory. Special emphasis on consumer behavior, production and cost theory, market structure, and factor markets. Prerequisite(s): ECON 2302.

ECON 3303. Money and Banking. 3 Semester Credit Hours.
Study the structure and functions of financial markets and financial intermediaries, the behavior and pattern of interest rates, the basic concepts of commercial bank management, the nature of money and the role of the Federal Reserve in its creation, the basic structure of the economy and the impact of monetary actions on this structure. Credit for both FIN 3303 and ECON 3303 will not be awarded. Prerequisite(s): ECON 2301.

ECON 3304. Environmental Economics. 3 Semester Credit Hours.
Study the economics of the natural environment. Economic tools and issues such as social cost, externalities, cost-benefit analysis, property rights, and state and federal environmental policies will be examined with emphasis on problems associated with water pollution, waste disposal, and society's burden of social costs. Prerequisite(s): 3 hours ECON.

ECON 3305. Economics in Financial Markets. 3 Semester Credit Hours.
Study the aggregate financial system and capital markets and the impact these have on financial intermediaries. Particular emphasis on flow of funds analysis, interest rate theory, role of financial intermediaries, and management of financial assets. Credit for both FIN 3304 and ECON 3305 will not be awarded. Prerequisite(s): FIN 3301 and ECON 3303.

ECON 3306. Political Economy. 3 Semester Credit Hours.
Study the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both POLI 3306 and ECON 3306 will not be awarded. Prerequisite(s): 3 hours of ECON and 6 hours of POLI or permission of instructor.

ECON 4301. International Economics. 3 Semester Credit Hours.
Analyze international economic theory and policy, the foundations of modern trade theory and its extensions, welfare effects of tariffs and non-tariff barriers, commercial policies of the United States, trade policies of developing countries, multinationals, balance of payments, and foreign exchange markets. Prerequisite(s): 3 hours ECON.

ECON 4302. Economic Development of the US. 3 Semester Credit Hours.
Study the economic development of the United States from colonial times to the present. Credit for both ECON 4302 and HIST 4302 will not be awarded. Prerequisite(s): ECON 1301 or ECON 2301 and 6 hours HIST.

ECON 4310. Managerial Economics. 3 Semester Credit Hours.
Study economic theory and methodology in business and administrative decision-making. Learn the tools of economic analysis and their use in formulating business policies. Particular emphasis on profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FIN 4310 and ECON 4310 will not be awarded. Prerequisite(s): FIN 3301.

ECON 4321. Development of Rural Areas. 3 Semester Credit Hours.
Study the fundamental causes of economic decline in rural areas. Learn application of economic principles and theory to problems of rural areas. Evaluate current methods, and public programs for economic development, with special emphasis on applications of analytical methods to development problems. Prerequisite(s): ECON 2302.

ECON 4365. Intermediate Economics. 3 Semester Credit Hours.
Discuss the American free enterprise system, the nation's economy and its strengths and weaknesses. Examine professional journals, articles, books and reports by the government and private sources, in order to coordinate and apply the analytical knowledge acquired during the period of study. Prerequisite(s): Macroeconomics and microeconomics, college algebra or MATH 3309 or permission of instructor.
ECON 4388. Economic Problems. 1-3 Semester Credit Hours.
Study of selected problems in economics. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Entry into this course will be arranged with the Economics counselor.

ECON 5300. Foundations of Economics. 1 Semester Credit Hour.
Learn basic knowledge of economics necessary to begin the MBA program. Appropriate for students who have not had prior economics courses or who need a refresher course prior to their MBA studies. Examine the principles of economics as applied to the contemporary business organization operating in a global market place. Study the integration of theory and practice to develop a framework for measuring, analyzing, and improving financial performance.

ECON 5310. Managerial Economics. 3 Semester Credit Hours.
Study economic theory and methodology to business and administrative decision-making. Utilize the tools of economic analysis to demonstrate and formulate business policies. Particular emphasis on profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FIN 5308 and ECON 5308 will not be awarded.

ECON 5359. Economic Applications Issues. 3 Semester Credit Hours.
Examine the application of economic theory in the firm (micro) and in the overall economy (macro), in-depth research and analysis of current economic issues through critical examination of the professional literature and the current environment of business government.

ECON 5364. Global Commerce Seminar. 3 Semester Credit Hours.
Focus on global competitive challenges facing business management teams. Evaluate how companies have strategically entered and developed international markets and managed global diversification. Learn to analyze international market potential, assess business risks and become familiar with institutions and national policies directing international trade.

ECON 5388. Economic Problems. 1-3 Semester Credit Hours.
Study selected problems in economics. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need.

Education (EDUC)

EDUC 3300. World Regional Geography for Educators. 3 Semester Credit Hours.
Examine practices for teaching World Regional Geography. Required for a Bachelor of Science degree in Interdisciplinary Studies and for teacher certification. Must be completed before students attempt the TExES, the teacher certification exam, and before student teaching.

EDUC 3315. Literacy Instruction for Bilingual Classroom. 3 Semester Credit Hours.
Examine knowledge and skills required to teach limited English language learners, with an emphasis on program implementation, curriculum, materials, oral language, literacy development and assessment strategies. Spanish and English will be spoken in this class. Prerequisite(s): Passing scores on the BTLPT – Spanish (Bilingual Target Language Proficiency Test) – Spanish, EDUC 3325, EDUC 3320 and READ 3311.

EDUC 3320. Professional Development in Learner Centered Schools. 3 Semester Credit Hours.
Examine students in learner centered schools. Study lesson planning, learning styles and strengths of diverse learners, learner-centered instructions, instructional strategies, lesson plans, TEKS educational equality, and the professional standards of educators. Technology lab and documentation of field experiences are required. Certification Fee - $150.

EDUC 3325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
Examine history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. Learn the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUC 3320.

EDUC 3330. Professional Development II: Effective Instruction. 3 Semester Credit Hours.
Examine the relationship between the state-adopted curriculum, learner-centered proficiencies, and best practices. Study lesson cycles, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. Classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUC 3320 and admission to the Teacher Education Program.

EDUC 3340. Mathematics Instruction for Classroom Teachers. 3 Semester Credit Hours.
Study for preservice educators to plan, organize, deliver, and evaluate developmentally appropriate educational strategies and instructional techniques in teaching mathematics to diverse learners. Design responsive instruction appropriate for all learners which reflects an understanding of relevant mathematics content, promotes active engagement, and is based on continuous and appropriate assessment.

EDUC 3350. Science Instruction for Classroom Teachers. 3 Semester Credit Hours.
Study for preservice educators to plan, organize, deliver, and evaluate developmentally appropriate educational strategies and instructional techniques in teaching science to diverse learners. Design responsive instruction appropriate for all learners which reflects an understanding of relevant science content, promotes active engagement, and is based on continuous and appropriate assessment.

EDUC 3356. The Arts for Educators. 3 Semester Credit Hours.
This methods course is concerned with providing experience for preservice educators to plan, organize, deliver, and evaluate developmentally appropriate educational strategies and instructional techniques in teaching the arts to diverse learners. The students design responsive instruction appropriate for all learners which reflects an understanding of relevant art content, promotes active engagement, and is based on continuous and appropriate assessment.

EDUC 4304. Early Childhood Environments Professional Development III. 3 Semester Credit Hours.
Study all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Examine current issues related to early childhood education. Demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, READ 3330, EDUC 3325, EDUC 3330, EDUC 3340 and EDUC 3350; Concurrent enrollment in READ 4304, READ 4305 and EDUC 4320. Field experience fee $75.
EDUC 4305. Language Concepts and Proficiencies in a Bilingual Classroom. 3 Semester Credit Hours.
Examine curriculum requirements as applicable to bilingual education, language concepts and proficiencies needed for teaching language arts, math, science, and social studies in bilingual classrooms. Evaluate commercial and research-based programs in order to adapt materials for students with varying degrees of language and literacy proficiency. Field experiences required. Prerequisite(s): Passing scores on the BTLPT – Spanish (Bilingual Target Language Proficiency Test-Spanish), EDUC 3325, EDUC 3315, READ 3311 and READ 3335.

EDUC 4315. Elementary Curriculum, Assessment and Instruction. 3 Semester Credit Hours.
Implement assessment-driven instruction and curricular design in interdisciplinary contexts. Apply knowledge of developmental stages, learner needs, and the stated expectations of TEKS in the core content areas to design, implement, and evaluate an interdisciplinary curriculum. Study effective teaching practices, problem based learning and technology applications. Pre-requisites EDUC 3320, EDUC 3330 and concurrent enrollment in EDUC 4304, READ 4304 and READ 4305.

EDUC 4320. Social Studies Instruction for Teachers. 3 Semester Credit Hours.
This methods course is concerned with providing experience for preservice educators to plan, organize, deliver, and evaluate developmentally appropriate educational strategies and instructional techniques in teaching Social Studies to diverse learners. The students design responsive instruction appropriate for all learners which reflects an understanding of relevant content, promotes active engagement, and is based on continuous and appropriate assessment. Emphasis is on integration of content.

EDUC 4325. History for Educators. 3 Semester Credit Hours.
This methods course is concerned with providing experience for preservice educators to plan, organize, deliver, and evaluate developmentally appropriate educational strategies and instructional techniques in teaching US, Texas and world history to diverse learners. The students design responsive instruction appropriate for all learners which reflects an understanding of relevant history content, promotes active engagement, and is based on continuous and appropriate assessment.

EDUC 4330. Professional Development III. 3 Semester Credit Hours.
Field-based and practicum experiences are required in school settings, where students plan units of instruction, examine various models of instruction, analyze classroom management strategies, and demonstrate competencies in effective teaching practices. Prerequisite(s): Admission to the Teacher Education Program, EDUC 3330 and READ 3335. Field experience fee - $75.

EDUC 4335. Issues in Professional Development. 3 Semester Credit Hours.
Learn to synthesize and validate concepts encountered during clinical teaching. Emphasis on professional issues related to teaching and the school environment. Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area Texas Examination of Educator Standards (TExES). Field experience fee - $75.

EDUC 4340. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
Study for preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. Use of technology for ethical and professional communication with colleagues, community, and students. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUC 4691 and EDUC 4335 or permission of department chair.

EDUC 4384. Classroom Teaching Internship. 3 Semester Credit Hours.
Explore supervised field-based activities in public school classrooms. Major emphasis is placed on the development of instructional strategies and professional practices designed to improve teaching performance. May be repeated for credit. Prerequisite(s): Admission to the Teacher Education Program. Field experience fee - $75.

EDUC 4388. Education Problems. 1-3 Semester Credit Hours.
Study of selected problems in education. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): Junior or senior standing, admission to the Teacher Education Program and permission of Curriculum and Instruction Program Coordinator.

EDUC 4691. Clinical Teaching. 6 Semester Credit Hours.
Explore supervised clinical teaching in the public schools at the appropriate level (1-18). A demonstration of proficiency in the application of effective teaching practices and classroom management strategies is required. Prerequisite(s): Admission to Clinical Teaching and the successful completion of designated content area of the Texas Examination of Educator Standards (TExES). Concurrent enrollment in EDUC 4335 and EDUC 4340*, or permission of department chair. * 7-12 math students may take MATH 3315 in place of EDUC 4340. Field experience fee - $75.

EDUC 5090. Education Comprehensive Examination. 0 Semester Credit Hours.
Study and take the education examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

EDUC 5198. Education Thesis. 1-6 Semester Credit Hours.
Independent research course in which a student proposes and completes an original, quantitative research project. Scheduled when the student is ready to begin thesis. No credit awarded until proposal and thesis are complete. Prerequisite(s): Completion of all other coursework required for the degree and consent of the major professor or permission of department chair.

EDUC 5300. Foundations and History of Education. 3 Semester Credit Hours.
Examine history of education in the United States through a study of the philosophical, historical, psychological and social foundations of curriculum. Emphasis is on the development of a philosophy of education and critical thinking about issues in education. Students must complete this course within the first twelve semester hour of graduate study.
EDUC 5301. Readings in Professional Development. 3 Semester Credit Hours.
Examine current issues in the professional development of educators. Study models of professional development, impact of professional development on public school student achievement, effective evaluation of professional development, and identification of best practice in writing and evaluating research with an emphasis on literature reviews.

EDUC 5302. Cultural Diversity in Schools and Community. 3 Semester Credit Hours.
Examine various dimensions of culture related to teaching, learning, and support services in the community. Study ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

EDUC 5304. Human Development. 3 Semester Credit Hours.
Analyze human behavior with emphasis on the child, adolescent, and adult learner. Develop insight and social and cultural forces in the formation of personality, the self, and roles in group membership.

EDUC 5306. Adult Education. 3 Semester Credit Hours.
Examine philosophy and concepts of adult education including the role of the adult educator, setting of objectives, integration of adult learning with career goals or changes and assessment of educational needs of adults.

EDUC 5311. Methods of Effective Teaching. 3 Semester Credit Hours.
Study research on effective teaching practices with an emphasis on direct instruction. Learn mastery learning, assessment of learning and use of assessment to guide instruction. Apply technology and effective teaching practices to the design and delivery of instruction. Technology lab is required. Certification Fee - $150.

EDUC 5312. Language and Social Studies Seminar. 3 Semester Credit Hours.
Learn to teach Social Studies through the application of the writing process, reading/writing connections, and children’s literature. Prerequisite(s): 18 hours of professional education course work.

EDUC 5314. Creating and Managing Learning Environment. 3 Semester Credit Hours.
Learn to create and maintain a positive learning environment. Study cultural dimensions of classroom management, motivating student achievement, fostering cooperation among students, reinforcing appropriate behavior, and ethics and law governing teacher-student relations. Apply teaching and classroom management practices in a clinical laboratory setting.

EDUC 5322. Teaching Mathematics and Science. 3 Semester Credit Hours.
Study methods and materials for the teaching of math and science. Emphasis will be on helping teachers become more effective in teaching math and science by developing questions, investigations, speculations, and explorations that reflect not only the content of each area of study, but the process involved in learning.

EDUC 5334. Curriculum for Early Childhood. 3 Semester Credit Hours.
Study early childhood education curriculum and practices. Examine current trends in early childhood curriculum with an emphasis on the modifications needed to ensure the success of all young children. Prerequisite(s): 18 hours of professional educational course work.

EDUC 5338. Curriculum Design and Implementation. 3 Semester Credit Hours.
Explore curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings. Study factors that influence curriculum decision-making processes and a review of theories of curriculum development. Major emphasis on curriculum alignment and curriculum auditing.

EDUC 5340. Evidence Based Teaching. 3 Semester Credit Hours.
In this course, participants will learn about various instructional strategies to enhance learning experiences in education. The class will cover appropriate methods and techniques from basic principles of learning and brain-based/whole-brain techniques. The course will also foster the development of working skills needed in cooperative planning, selecting, and organizing teaching materials, utilization of the environment, individual and group guidance, and evaluation activities.

EDUC 5345. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.
Study appropriate methods and techniques from basic principles of learning. Develop working skills needed in cooperative planning, selecting, and organizing teaching materials, utilization of the environment, individual and group guidance, and evaluation activities.

EDUC 5350. Assessment and Interpretation for Education Leaders. 3 Semester Credit Hours.
Examine assessment as a process with emphasis on assessment of student achievement and on data interpretation for the purpose of improving instruction.

EDUC 5355. Effective Instructional Programs. 3 Semester Credit Hours.
Study research-based best instructional and curricular practices and the evaluation and enhancement of instructional and curricular programs related to identified best practices.

EDUC 5360. The Gifted Learner. 3 Semester Credit Hours.
Study characteristics and needs of gifted and talented students as they relate to both school and family settings. Different models and programs for gifted education will be studied. Formal and informal identification procedures will be examined in line with federal and state guidelines.

EDUC 5362. Creativity In the Classroom. 3 Semester Credit Hours.
Study theories and models of creativity. Emphasis will be given to identifying the creative potential of students in all classrooms. Examine and develop instructional processes which accommodate the needs of creative learners. Prerequisite(s): EDUC 5360.

EDUC 5364. Curriculum and Material Development For Gifted Learners. 3 Semester Credit Hours.
Study a comparison of regular and gifted curricula with a focus on developing an interdisciplinary curriculum for gifted learners. Examine and evaluate existing materials and equipment which support instruction for the gifted in both regular and special programs. Emphasis will be on developing and evaluating teacher constructed materials. Prerequisite(s): EDUC 5360.

EDUC 5366. Instruction and Evaluation For Gifted Learners. 3 Semester Credit Hours.
Analyze methods of determining specific learning styles and talents, with emphasis placed on implementing appropriate instruction for programs. Learn methods and tools of informal and formal evaluation and assessment. Prerequisite(s): EDUC 5360 and EDUC 5364.

EDUC 5369. Education Seminar. 1-3 Semester Credit Hours.
Presentation of project proposal, implementation, and conclusions. Must be repeated a minimum of 3 times for 1 hour credit each semester to complete masters project. Student must be continuously enrolled until the graduate project is completed.

EDUC 5370. Techniques of Research. 3 Semester Credit Hours.
Explore fundamental concepts and tools of research applied to psychological and educational problems. Study rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.
EDUC 5301. Research in Educational Leadership. 3 Semester Credit Hours.
Study the fundamentals of research with emphasis on research terminology, design, methodology, data collection, ethics, psychometric measurement qualities, and quantitative and qualitative research paradigms. Develop research and evaluation skills necessary to become critical consumers and producers of research in preK-12 schools. Prerequisite(s): MEd/Principal Certificate program admission or permission of department chair.

EDLD 5307. Leadership of Human Resources. 3 Semester Credit Hours.
Examine supervision and evaluation of faculty and staff in preK-12 schools. Study effective supervisory and evaluation approaches for the development of a continuous improvement learning culture for faculty and staff. The Texas Teacher Evaluation and Support System (T-TESS), a state-required teacher appraiser certification course, is included. $75 T-TESS certificate fee. Prerequisite(s): EDLD 5300, 5301, 5316, 5339, 5345, 5355, & AEL certification or permission of department chair.

EDLD 5309. Legal Issues in School Leadership. 3 Semester Credit Hours.
Explore legal issues impacting the administration of preK-12 schools. Understand the ethical application of legal principles found in relevant constitutional, statutory, administrative, and case law. Learn how these laws and principles determine operation, organization, and administration of preK-12 schools. Special emphasis is placed on the relationship of state and federal law. Prerequisite(s): EDLD 5300, 5301, 5316, 5339, 5345, & 5355 or permission of department chair.

EDLD 5310. Special Educational Law. 3 Semester Credit Hours.
Examine the legal framework for special education in the United States. Understand federal constitutional provisions, federal and state statutes, and federal and state judicial decisions affecting special education, including the rules and regulations for the various federal and state agencies.

EDLD 5316. Leadership of Effective Instruction. 3 Semester Credit Hours.
Develop instructional practice in preK-12 schools with the use of data analysis, learning strategies, special programs support, technology integration, and coaching protocols. Special emphasis on maintaining a continuous improvement cycle to ensure equity and engagement of all students. Advancing Educational Leadership (AEL), a state-required teacher appraiser certification course, is included. $75 AEL certificate fee. Prerequisite(s): EDLD 5300, 5301, 5339 and 5345 or permission of department chair.

EDLD 5317. Public School Finance and Fiscal Management. 3 Semester Credit Hours.
Study the principles of school finance, budgeting, and accounting procedures used in school districts. Special emphasis is placed on the development of a working knowledge of the history of school finance, current and emerging financial issues, litigation, budget development, fiscal policy, and accountability. Prerequisite(s): EDLD 5318 and EDLD 5336 or permission of department chair. Certification Fee - $150.

EDLD 5318. Administrative Law and Personnel Administration. 3 Semester Credit Hours.
A comprehensive study of public school law as it relates to contractual and at-will personnel. Emphasis is placed on advertising, interviewing, selecting, and evaluating personnel. Special attention is given to Equal Employment Opportunity guidelines, Federal Right to Privacy Act, employee contracts, induction, and recordkeeping. Prerequisite(s): Superintendent Certificate Program admission or permission of department chair.

EDLD 5306. Foundations of Educational Leadership. 3 Semester Credit Hours.
Study lenses of power, influence, ethics, and leadership theory. Compare personal diagnoses of leadership, learning, and personality strengths to the knowledge and skill set needed for leadership of preK-12 schools. Prerequisite(s): MEd/Principal Certificate program admission or permission of department chair. Certification Fee - $150.

EDLD 5301. Research in Educational Leadership. 3 Semester Credit Hours.
Study the fundamentals of research with emphasis on research terminology, design, methodology, data collection, ethics, psychometric measurement qualities, and quantitative and qualitative research paradigms. Develop research and evaluation skills necessary to become critical consumers and producers of research in preK-12 schools. Prerequisite(s): MEd/Principal Certificate program admission or permission of department chair.

EDLD 5307. Leadership of Human Resources. 3 Semester Credit Hours.
Examine supervision and evaluation of faculty and staff in preK-12 schools. Study effective supervisory and evaluation approaches for the development of a continuous improvement learning culture for faculty and staff. The Texas Teacher Evaluation and Support System (T-TESS), a state-required teacher appraiser certification course, is included. $75 T-TESS certificate fee. Prerequisite(s): EDLD 5300, 5301, 5316, 5339, 5345, 5355, & AEL certification or permission of department chair.

EDLD 5309. Legal Issues in School Leadership. 3 Semester Credit Hours.
Explore legal issues impacting the administration of preK-12 schools. Understand the ethical application of legal principles found in relevant constitutional, statutory, administrative, and case law. Learn how these laws and principles determine operation, organization, and administration of preK-12 schools. Special emphasis is placed on the relationship of state and federal law. Prerequisite(s): EDLD 5300, 5301, 5316, 5339, 5345, & 5355 or permission of department chair.

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EDLD 5317. Public School Finance and Fiscal Management. 3 Semester Credit Hours.
Study the principles of school finance, budgeting, and accounting procedures used in school districts. Special emphasis is placed on the development of a working knowledge of the history of school finance, current and emerging financial issues, litigation, budget development, fiscal policy, and accountability. Prerequisite(s): EDLD 5318 and EDLD 5336 or permission of department chair. Certification Fee - $150.

EDLD 5318. Administrative Law and Personnel Administration. 3 Semester Credit Hours.
A comprehensive study of public school law as it relates to contractual and at-will personnel. Emphasis is placed on advertising, interviewing, selecting, and evaluating personnel. Special attention is given to Equal Employment Opportunity guidelines, Federal Right to Privacy Act, employee contracts, induction, and recordkeeping. Prerequisite(s): Superintendent Certificate Program admission or permission of department chair.
EDLD 5319. The School Superintendency. 3 Semester Credit Hours.
Examine the roles and responsibilities of the chief school administrator. Emphasis is placed on the range of leadership skills that executive leadership utilize to work with the community, school board, professional staff, and students in development of a capacity-building culture and district vision. Prerequisite(s): EDLD 5318 and EDLD 5336 or permission of department chair.

EDLD 5335. Educational Planning and Resource Development. 3 Semester Credit Hours.
Develop a sustainable leadership process and examine the role of leadership in educational planning. Study strategic planning and the use of district’s major administrative systems and resources to fulfill organizational goals. Prerequisite(s): EDLD 5317, EDLD 5318, EDLD 5319 and EDLD 5338 or permission of department chair.

EDLD 5336. Instructional Development and School Improvement. 3 Semester Credit Hours.
Examine state policy affecting instructional improvement on public school campuses. Special emphasis is placed on results-based accountability systems. Explore curriculum planning and evaluation, professional development, student assessment, and data analysis utilized to develop and sustain a learning system that meets the needs of all students. Prerequisite(s): Superintendent Certificate Program admission or permission of department chair.

EDLD 5339. Processes of Educational Leadership. 3 Semester Credit Hours.
Study effective organizational processes in prek-12 schools. Special emphasis on learning organization strategies, exemplary leadership practices, and collaborative action tools, in order to support the development of a flexible and creative culture continuously engaged in school improvement. Prerequisite(s): EDLD 5300 and EDLD 5301 or permission of department chair.

EDLD 5342. Leadership of Campus Resources. 3 Semester Credit Hours.
Examine school resources in support of school improvement. Develop integrated continuous improvement processes supported by optimal allocation of financial, human, technological, facility, time, and other campus resources. Special emphasis on developing a safe and engaging school learning environment. Prerequisite(s): EDLD 5300, 5301, 5307, 5309, 5316, 5339, 5345 and 5355 or permission of department chair.

EDLD 5340. School-Community Relationships. 3 Semester Credit Hours.
Systems of interpretation of schools to community publics. Promotion of effective school-community relations through media of communication.

EDLD 5345. Leadership of Curriculum Systems. 3 Semester Credit Hours.
Study curriculum systems in prek-12 schools. Learn to create, integrate, implement, and evaluate curriculum. Special emphasis on curriculum leadership and decision making that link student developmental needs with high levels of learning, and supporting teachers in the curriculum implementation process. Prerequisite(s): EDLD 5300 and EDLD 5301 or permission of department chair.

EDLD 5355. Leadership of Diverse Learning Communities. 3 Semester Credit Hours.
Study diverse prek-12 school communities with an emphasis on ethical issues dealing with leadership, governance, and policy development. Develop processes for identifying and ameliorating issues associated with demographic and cultural differences. Learn to facilitate internal and external community engagement to achieve equity and excellence within the school system. Prerequisite(s): EDLD 5300, 5301, 5339 and 5345 or permission of department chair.

EDLD 5360. Educational Leadership Applications. 3 Semester Credit Hours.
Apply leadership theory to campus leadership practice. Analyze critical issues in school leadership through the integration of the roles of the principle with professional experience. Master’s degree comprehensive exam preparation and Principal Practicum planning are included. Prerequisite(s): EDLD 5300, 5301, 5307, 5309, 5316, 5339, 5345 and 5355 or permission of department chair.

EDLD 5388. Problems. 1-3 Semester Credit Hours.
Open to graduate students who are capable of developing a problem independently. Problems are chosen by the student and approved in advance by the instructor. Prerequisite(s): Full admission into the Office of Graduate Studies and a graduate degree or certification program.

EDLD 5389. Special Topics In Educ Admin. 3 Semester Credit Hours.
An examination of different topics each semester with a focus on contemporary issues in Educational Administration and leadership. This course may be repeated for credit as the topic changes.

EDLD 5391. Superintendency Practicum. 3 Semester Credit Hours.
Demonstrate competent professional practice through supervised activities in the culminating experience for the Superintendent Certificate Program. Implement an action plan for professional growth and school district improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, course may be repeated one time. Only 3 semester hours of coursework can be used to satisfy certification requirements. Field experience fee - $75. Prerequisite(s): EDLD 5317, EDLD 5318 and EDLD 5319 or permission of program coordinator.

EDLD 5392. Principalship Practicum. 3 Semester Credit Hours.
Demonstrate competent professional practice through supervised activities in the culminating experience for the MEd/Principal Certificate program. Implement an action plan for professional growth and school improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, course may be repeated one time. Only 3 semester hours of practicum coursework can be used to satisfy certification requirements. Field experience fee - $75. Prerequisite(s): EDLD 5300, 5301, 5307, 5309, 5316, 5339, 5342, 5345, 5355, 5360 and permission of department chair.

Educational Technology (EDTE)

EDTE 3300. Desktop Publishing in Classroom. 3 Semester Credit Hours.
Explore applications relating to digital graphics, printing techniques, animation products, and editing tools used in desktop publishing. Analyze K-12 Technology Applications Texas Essential Knowledge and Skills (TEKS) and create a variety of desktop publishing products for use in future classrooms.

EDTE 3305. Multimedia in the Classroom. 3 Semester Credit Hours.
An application of multimedia, graphics, and animation tools used for teaching Technology Applications. Students will apply appropriate techniques and strategies to create lesson plans and examples for use in the classroom. Prerequisite(s): EDTE 3300.

EDTE 3315. Teacher Technology Application. 3 Semester Credit Hours.
Explore field based opportunities in area schools for students to observe technology applications teachers at all levels (EC-12) and explore computer lab management in K-12 learning environments. Prerequisite(s): EDTE 3305 and EDUC 3320.
EDTE 4300. Video in the Classroom. 3 Semester Credit Hours.
Learn to teach video, graphics, and animation in K-12 Technology Applications classes. Apply tools and techniques for integrated video technology to enhance the learning environment and prepare exemplar videos and lesson plans for future classroom use. Prerequisite(s): EDTE 3315, EDUC 3320 and admission to Teacher Education Program.

EDTE 4305. Web Mastering. 3 Semester Credit Hours.
Explore and use Web technology in educational settings. Study appropriate technologies and techniques to plan and implement web based instructional products for use in the K-12 classroom. Create lesson plans and exemplar products appropriate for teaching Technology Applications in Web mastering. Prerequisite(s): EDTE 4300 and EDUC 3330.

EDTE 4310. Learning, Leading and Assessment. 3 Semester Credit Hours.
Study K-12 learning outcomes, data analysis, instructional decision making, and mentoring skills necessary for peer support. Apply tools for enhancing professional growth and productivity and use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDUC 3330.

EDTE 4388. Educational Technology Problems. 1-3 Semester Credit Hours.
Study of selected problems in educational technology. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Open to students of Junior or senior standing who have been admitted to the Teacher Education Program and permission of instructor and Curriculum and Instruction Program Coordinator.

EDTE 5348. K-12 Educational Technology. 3 Semester Credit Hours.
This course focuses on K-12 learning outcomes, data analysis, and instructional decision making. Mentoring skills necessary for peer support are also explored. Students will apply tools for enhancing their own professional growth and productivity and will use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments.

EDTE 5349. Educational Media and Technology. 3 Semester Credit Hours.
Examine the role of technology in school settings and explore available technologies and the applications for instruction. Focus is on Web 2.0 applications for communication and collaboration that expand and extend learning environments.

EDTE 5350. Teaching Desktop Publishing. 3 Semester Credit Hours.
Integrate tools of desktop publishing and graphic applications to successfully demonstrate knowledge and skills needed to teach Desktop Publishing. Explore current research in the area of technology applications. Apply tools for enhancing professional growth and productivity and use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTE 5349.

EDTE 5351. Multimedia Animation for Kindergarten through 12th Grade. 3 Semester Credit Hours.
Integrate tools of multimedia, graphics, and animation to successfully demonstrate knowledge and skills necessary to teach the Technology Applications Texas Essential Knowledge and Skills (TEKS). Explore current research in the area of multimedia and use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTE 5350.

EDTE 5352. Teaching Kindergarten through 12th Grade Video Technology. 3 Semester Credit Hours.
Integrate tools of video and animation to successfully demonstrate knowledge and skills needed to teach the Technology Applications Texas Essential Knowledge and Skills (TEKS). Explore current research in the area of video technology and use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTE 5351.

EDTE 5359. Leading and Learning with Technology. 3 Semester Credit Hours.
Learn to demonstrate the knowledge and skills necessary to teach Web mastering. Explore current research in the area of web-based applications and will use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTE 5352.

EDTE 5388. Educational Technology Problem. 1-3 Semester Credit Hours.
Study of selected problems in educational technology. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Open to graduate students who are capable of developing a problem independently and permission of instructor and Curriculum and Instruction Program Coordinator. Prerequisite(s): Full admission to the Office of Graduate Studies and a graduate degree or certification program.

English (ENGL)

ENGL 3303. Western Literature I. 3 Semester Credit Hours.
(WI) A survey of Western Literature from ancient times through the Renaissance. Prerequisite(s): ENGL 1301, ENGL 1302, and 3 hours of sophomore literature.

ENGL 3304. Western Literature II. 3 Semester Credit Hours.
(WI) A survey of Western Literature from the Enlightenment to the Present. Prerequisite(s): ENGL 1301, ENGL 1302, and 3 hours of sophomore literature.

ENGL 3305. Critical Analysis of Lit. 3 Semester Credit Hours.
(WI) A study of contemporary criticism as it relates to the study of form, theory, and content of fiction, nonfiction, drama, poetry, and other artistic expression. Prerequisite(s): ENGL 1301 and ENGL 1302.

ENGL 3306. Readings in Adolescent Lit. 3 Semester Credit Hours.
A survey of literature with a focus on teenage audiences. Readings include both the classics and contemporary selections. Study is concerned with increasing student understanding of unique aspects of adolescent literature and its application in public school curricula. Prerequisite(s): ENGL 1301, ENGL 1302 and 6 hours sophomore ENGL.

ENGL 3309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) The process of developing technical information, including researching, drafting, editing, revising, and designing technical reports, proposals, manuals, job application documents and professional correspondence for specific audiences, using word processing and graphic applications. Prerequisite(s): ENGL 1301 and ENGL 1302.

ENGL 3310. Technical Writing & Editing. 3 Semester Credit Hours.
(WI) Study of advanced technical communication situations such as formal reports, grant proposals, and professional articles, and extensive discipline-specific professional-level practice in these forms. Study of general editorial techniques in formats, graphics, and layout and design methods in technical publications. Prerequisite(s): ENGL 1301, ENGL 1302, and 3 hours sophomore ENGL and ENGL 3309.
ENGL 3312. Graphics & Technical Writing. 3 Semester Credit Hours.
This course examines the integration of graphic components in printed and electronic mediums. Students use computer applications to compose and design graphics such as bar graphs, organizational charts, flow charts, diagrams, and drawings. Prerequisite(s): ENGL 1301, ENGL 1302, and 3 hours sophomore ENGL and ENGL 3309.

ENGL 3320. Advanced Grammars. 3 Semester Credit Hours.
An introduction to the grammatical structure of modern English at the level of word, clause, and discourse presented through the application of the principles of descriptive grammars accompanied by a review of current prescriptive grammars. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3330. Advanced Composition. 3 Semester Credit Hours.
(WI) Students examine the rhetoric of composition through intensive writing workshops and close reading of composition-related texts. The goals of the course are (1) to discover and define some coherent relations between rhetoric and composition and (2) to challenge the students' presuppositions about essayistic space through a process of peer- and instructor-reviewed writing workshops. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL or permission of department chair.

ENGL 3335. Film Studies. 3 Semester Credit Hours.
(WI) A study of movies as dramas involving narrative plot, characterizations, theme, etc. and as artistic productions involving shots, cuts, and other film techniques.

ENGL 3339. Literature & Film. 3 Semester Credit Hours.
This course introduces students to the relationship between literature and film and the practice of cinematic adaptation.

ENGL 3343. Creative Writing. 3 Semester Credit Hours.
Focuses on the craft and art of writing narrative, poetic, and dramatic discourse. Attention to the conception, design, and execution both of the whole work and of elements of figurative language, characterization, dialogue, point of view, and poetic structure, as well as other elements of the craft. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3350. Children's Literature. 3 Semester Credit Hours.
A general survey of literature for children. Includes a study of types of literature for children and of the development of criteria for the selection and evaluation of children's books. This course may be counted as an elective but not towards the 24-hour advanced English requirement for an English major. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3370. Introduction to Linguistics. 3 Semester Credit Hours.
A study of descriptive linguistics revealing the nature and scope of the characteristics and complexities of human language. Much of the course consists of learning the phonology, morphology, syntax, semantics, and pragmatics of modern English. Attention also focuses on the nature and diversity of the rule-bound creativity underlying the tacit systematic use of human language. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3372. Sociolinguistics. 3 Semester Credit Hours.
Study of the relationship of language and society as shown in the following areas: language change, language variation and social class, pidgin and Creole languages, and language policy and planning.

ENGL 3374. Psycholinguistics. 3 Semester Credit Hours.
Deals with a variety of formal cognitive mechanisms that are relevant to the knowledge and use of natural languages.

ENGL 3376. Discourse Analysis. 3 Semester Credit Hours.
Investigates the structure of spoken communication from a linguistic perspective to enable students to understand narrative and conversation. Students study the principles of pragmatic theory, speech act theory and critical discourse analysis.

ENGL 3400. Shakespeare. 3 Semester Credit Hours.
An in depth study of representative types of Shakespeare’s drama and poetry. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3411. History of Rhetoric. 3 Semester Credit Hours.
(WI) This course provides students with a foundation in the history of rhetoric, paying particular attention to what many have labeled as the origin of rhetorical studies in classical Greece. Prerequisites: ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3412. Rhetorical Criticism. 3 Semester Credit Hours.
(WI) This course introduces students to rhetorical criticism. Through a survey approach, students will be introduced to a wide range of analytical tools and strategies to effectively describe, analyze, and interpret a wide range of discourse. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours of sophomore ENGL.

ENGL 3413. Visual Communication. 3 Semester Credit Hours.
(WI) Introduces students to a variety of lenses that can be used to study visual texts, including (but not limited to) Content Analysis, Compositional Interpretation, Semiology, Psychoanalysis, Discourse Analysis, and Audience Studies. Emphasizes the importance of visual rhetoric in communication and argument. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

ENGL 3414. Multicultural Rhetorics. 3 Semester Credit Hours.
(WI) This course introduces students to multicultural rhetorics. Students will read texts examining the theory/practice of Asian, African, Latino/a, and African American Rhetorics. Special attention will be given to traditionally underrepresented voices in the rhetorical tradition. Prerequisites: ENGL 1301, ENGL 1302, and 6 hours of sophomore ENGL.

ENGL 3416. Literary Authors. 3 Semester Credit Hours.
(WI) An in-depth study of a single author or a single group of closely related authors. Topics vary and the course can be repeated for credit if taken under a different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and ENGL 3305.

ENGL 3417. Literary Themes. 3 Semester Credit Hours.
An in-depth study of one major theme in literary history. Topics vary and the course can be repeated for credit if taken under a different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and ENGL 3305.

ENGL 3418. Literary Period. 3 Semester Credit Hours.
(WI) An in-depth study of one major literary period in literary history. Topics vary and the course can be repeated for credit if taken under a different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and ENGL 3305.

ENGL 3419. Literary Genres. 3 Semester Credit Hours.
(WI) An in-depth study of one major literary genre. Topics will vary and the course can be repeated for credit if taken under different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and ENGL 3305.

ENGL 3430. Writing for Electronic Media. 3 Semester Credit Hours.
The advanced study of and practice in writing for electronic mediums with a primary focus on planning, designing, and composing professional pages for the World Wide Web. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours sophomore ENGL and ENGL 3309.
ENGL 4330. Grant & Proposal Writing. 3 Semester Credit Hours.
This course offers advances practice in analyzing and writing proposals for businesses, governmental agencies, and/or private foundations.
ENGL 4336. Film History. 3 Semester Credit Hours.
This course examines the historical development of film as an industry and major modern art form. Attention given to important movements, periods, and nationalities.
ENGL 4337. Film Auteurs. 3 Semester Credit Hours.
This course examines the work of one or more film director. Attention given to critical analysis of representative films and comprehension of critical literature.
ENGL 4338. Film Genres. 3 Semester Credit Hours.
This course examines genres as a means of production and reception. Attention given to the recurring characters, actions, and values in films and the cultural role of these stories.
ENGL 4339. Film Theory & Criticism. 3 Semester Credit Hours.
This course examines the theoretical and critical approaches common to film. Attention given to the major approaches to understanding film from the spectator's side of the camera.
ENGL 4360. Adv Studies in Secondary Engl. 3 Semester Credit Hours.
This course applies the standards of the National Council of Teachers of English to the curriculum of secondary English. It provides an intensive review of composition principles, language conventions, literary genres, and computer instructional technology. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.
ENGL 4388. English Problems. 1-3 Semester Credit Hours.
A course featuring independent reading, research, and discussion under personal direction of instructor, topics to vary according to student need. Open to students of Senior classification with permission of department chair.
ENGL 5300. Shakespeare. 3 Semester Credit Hours.
A close study of Shakespeare's literature and language with selections from representative texts including the histories, comedies, tragedies, and/or sonnets.
ENGL 5310. Studies in American Literature. 3 Semester Credit Hours.
Focuses on restricted periods in American literary history. Examples include colonial American literature, the American Renaissance, American literary naturalism, post-World War II American literature, and minority literature in America. May be repeated for credit when topics vary.
ENGL 5320. Studies in English Language. 3 Semester Credit Hours.
Focuses on historical and/or linguistic study of the English language. Topics will vary. Examples include history of the English language and the English language in America. May be repeated for credit when topics vary.
ENGL 5321. Psycholinguistics. 3 Semester Credit Hours.
Deals with a variety of formal cognitive mechanisms that are relevant to the knowledge and use of natural languages. Primary emphasis is on the modular view of the mind and its consequences for both L1 and L2 language acquisition.
ENGL 5330. Studies in Rhetoric. 3 Semester Credit Hours.
A study of written language theories. Course contents include readings from a wide spectrum including classical Greece and Rome, the European enlightenment, nineteenth century America, and modern and post-modern periods. May be retaken for credit when topics vary.
ENGL 5340. Studies in Modern Fiction. 3 Semester Credit Hours.
An evaluation of English and American short stories, novels, and related criticism. Topics will vary and will include study of themes and development of the genre. May be repeated for credit when topics vary.
ENGL 5342. Adaptation. 3 Semester Credit Hours.
This course introduces students to the concept of adaptation and to one account for how this concept has evolved. The focus is, admittedly, more on the notion of adaptation as a way to engage a text critically than it is on specific adaptations. All assignments, even those that ask students to evaluate a particular adaptation, should reflect this conceptual focus.
ENGL 5350. Studies in Lit before 1500. 3 Semester Credit Hours.
A study of representative types of pre-1500 literature in English. Topics may vary. May be repeated for credit when topics vary.
ENGL 5352. Chaucer. 3 Semester Credit Hours.
An in-depth study of the language and literature of Geoffrey Chaucer, including his minor poetry and dream visions, Troilus and Criseyde, and the Canterbury Tales.
ENGL 5360. Modern American & Brit Poetry. 3 Semester Credit Hours.
A study of representative themes in the development of American and English poetry. Related critical readings will be studied. Topics will vary. May be repeated for credit when topics vary.
ENGL 5370. Studies in Comparative Lit. 3 Semester Credit Hours.
A comparative study of great literature in the world in translation. Topics may vary and may include examination of theme, technique, and type. May be repeated for credit when topics vary.
ENGL 5372. English Seminar. 1-3 Semester Credit Hours.
ENGL 5374. Methods of Bib & Res Analysis. 3 Semester Credit Hours.
An introduction to methods of research and effective utilization of library resources. May include analytical bibliography, enumerative bibliography, and textual criticism.
ENGL 5380. Studies in Teaching of Comp. 3 Semester Credit Hours.
The course is devoted to the study of the aims, skills, materials, and practices of composition teaching at college and junior college levels. May be repeated for credit when topics vary.
ENGL 5384. English Internship. 3 Semester Credit Hours.
Supervised professional activities in the college composition classroom including presentations, evaluation, and conferences. May be repeated once for credit. Field experience fee $75.
ENGL 5388. Special Problems. 1-3 Semester Credit Hours.
Conference course. Directed independent study under supervision of a senior faculty member.
ENGL 5398. Thesis. 1-6 Semester Credit Hours.
Scheduled when student is ready to begin thesis. No credit until thesis is accepted. Prerequisite(s): ENGL 5374, 24 hours of graduate credit and permission of department chair.

Family and Consumer Science (FCS)

FCS 3300. Child Development. 3 Semester Credit Hours.
Analyze a child's physical, mental, social, and emotional development from birth to adolescence. Emphasis is placed on the child's first six years and those factors which influence his/her growth. One hour lab per week in child development laboratory, to include directed observation of young children. Prerequisite(s): Junior classification or permission of department chair.
Finance (FIN)

FIN 3300. Analysis of Personal Finance. 3 Semester Credit Hours.
Analyze personal financial decisions, including basic financial planning, tax issues, managing savings and deposit accounts, buying real assets, the use of credit, insurance management investments and saving for retirement.

FIN 3301. Financial Management I. 3 Semester Credit Hours.
Analyze financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Learn financial statement analysis, the valuation of stocks and bonds, cost of capital, capital budgeting, dividend policy, leverage and capital structure, methods of firm valuation, working capital management, mergers and acquisitions, and bankruptcy. Prerequisite(s): ACCT 2302 or ACCT 2402 and ECON 2301.

FIN 3302. Financial Intermediaries. 3 Semester Credit Hours.
Study the internal operations of financial intermediaries with major emphasis on organization, source and allocation of funds, supervision, and regulation. Prerequisite(s): FIN 3301 and ECON 3303.

FIN 3303. Money and Banking. 3 Semester Credit Hours.
Study the structure and functions of financial markets and financial intermediaries, the behavior and pattern of interest rates, the basic concepts of commercial bank management, the nature of money and the role of the Federal Reserve in its creation, and the basic structure of the economy and the impact of monetary actions on this structure. Credit for both FIN 3303 and ECON 3303 will not be awarded. Prerequisite(s): FIN 3301 and ECON 3303.

FIN 3304. Economics in Financial Markets. 3 Semester Credit Hours.
Study the aggregate financial system and capital markets and the impact these have on financial intermediaries. Special emphasis on flow of funds analysis, interest rate theory, role of financial intermediaries, and management of financial assets. Credit for both FIN 3304 and ECON 3305 will not be awarded. Prerequisite(s): FIN 3301 and ECON 3303.

FIN 3309. Global Financial History. 3 Semester Credit Hours.
Study different financial crises in history. Explore global and long-term overviews of socio-economic factors that influence the development of financial instruments, institutions, markets and entrepreneurs.

FIN 3387. Cooperative Education. 1-3 Semester Credit Hours.
Integrate academic study with work experience that is relevant to a major or minor. Two-semester minimum requirement that may be accomplished by 1) alternating semesters of full-time study with semesters of curriculum-related employment, or 2) enrolling in courses at least half-time (6 semester hours) and working part-time in parallel positions of curriculum-related employment. Cooperative Education advisor will supervise the student’s and assign the final grades. Students may participate in the Cooperative Education but will earn only a maximum of 6 hours credit toward a degree. Prerequisite(s): Completion of 30 semester hours which includes 12 hours in the major or minor discipline in which the Cooperative Education course is desired, minimum overall GPA of 2.5 and a minimum GPA of 3.0 in the appropriate major or minor field, and permission of department chair. Field experience fee $75.

FIN 4300. Advanced Financial Management. 3 Semester Credit Hours.
Analyze value-based management techniques with emphasis on the factors affecting the corporation’s intent to maximize shareholder wealth. Explore financial statement analysis, cash flow analysis, economic and market value added securities valuation, the cost of capital, capital budgeting, capital structure, divided policy, the use of leverage, working capital management, and corporate governance. Prerequisite(s): FIN 3301, ACCT 3303 and BUSI 3311.

FIN 4301. International Financial Management. 3 Semester Credit Hours.
Analyze the financing of investment abroad, the management of assets in differing financial environments, issues and questions which concern financial management of international corporations. Explore foreign investments decision, cost of capital and financial structure for multinational decision making, management of foreign subsidiary working capital, and financial control of multinational operations. Prerequisite(s): FIN 3301 or permission of department chair.

FIN 4302. Real Estate Finance. 3 Semester Credit Hours.
Study monetary systems, primary and secondary money markets, sources of mortgage loans, federal government programs, loan applications, processes and procedures, closing costs, alternative financial instruments, equal credit opportunity acts, community reinvestment act, and state housing agency. Prerequisite(s): Permission of department chair.

FIN 4303. Case Studies in Finance. 3 Semester Credit Hours.
(WI) Utilize fundamental concepts learned in previous finance, accounting, and economics courses to analyze real-world finance problems. In structured and unstructured cases, student teams analyze problems and recommend solutions. Cases drawn from areas such as corporate finance, investments, international finance, and personal finance. Prerequisite(s): ACCT 3303.

FIN 4304. Investments. 3 Semester Credit Hours.
Study the development of investment policy, the character of investment risk, comparison of investment media, description and analysis of security markets and their operations. Prerequisite(s): ACCT 2302 or ACCT 2402 and FIN 3301.

FIN 4305. Federal Tax Accounting I. 3 Semester Credit Hours.
Explore the present income tax law and regulations, income tax legislation, treasury and court decisions, departmental ruling, income tax problems and returns, social security and self-employment taxes. Prerequisite(s): ACCT 2302 or ACCT 2402 and Junior classification. Credit for both ACCT 4305 and FIN 4305 will not be awarded.

FIN 4306. Federal Tax Accounting II. 3 Semester Credit Hours.
Study current income tax law and tax accounting procedures. Preparation of income tax returns of partnerships and corporations. Prerequisite(s): FIN 4305 or permission of School Director. Credit for both ACCT 4306 and FIN 4306 will not be awarded.

FIN 4307. Analysis of Fin Statements. 3 Semester Credit Hours.
Analyze corporate financial statements. Learn how information can be analyzed and processed to aid creditors, investors, managers, consultants, auditors, directors, regulators and employees in their business decisions. Prerequisite(s): FIN 3301.

FIN 4308. Risk Management. 3 Semester Credit Hours.
Analyze processing, investing, and evaluation of risk management. Examine risk management process and its application in commercial, personal, and public risk. Explore various types of insurance products, the process by which insurance is sold, and how individuals and organizations manage risk via insurance products. Prerequisite(s): FIN 3301 or permission of department chair.

FIN 4310. Managerial Economics. 3 Semester Credit Hours.
Study economic theory and methodology in business and administrative decision-making. Explore economic analysis and It’s use in formulating business policies. Analyze concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FIN 4310 and ECON 4310 will not be awarded. Prerequisite(s): FIN 3301.
FIN 4384. Financial Internship. 1-6 Semester Credit Hours. Participate in a finance related position for work experience with a public or private organizations that is preapproved and supervised. May be repeated for a total of 6 credit hours. Prerequisite(s): FIN 3301 and permission of department chair.

FIN 4388. Financial Problems. 1-3 Semester Credit Hours. Study of selected problems in finance. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need. May be repeated with permission department chair. Prerequisite(s): Permission of department chair.

FIN 4389. Selected Topics in Finance. 3 Semester Credit Hours. Examine current issues and topics in finance. Study readings from current finance publications and other related periodicals. Activities may include directed study, participation in professional organizations, research and presentations, job market analysis, preparation and sitting for professional certification exams. May be repeatable for credit if the topic varies. Prerequisite(s): 12 semester hours of FIN and permission of department chair.

FIN 5300. Foundations of Finance. 1 Semester Credit Hour. Examine principles of accounting, economics, and finance as applied to the contemporary business organization operations in a global market place. Special emphasis on integration of theory and practice to develop framework for measuring, analyzing, and improving financial performance.

FIN 5301. International Fin Strategy. 3 Semester Credit Hours. Examine the major international issues pertaining to finance, including choosing and implementing an appropriate corporate strategy, the determination of exchange rates, international risk management, transfer pricing, and evaluating and financing international investment opportunities.

FIN 5303. Bank Management. 3 Semester Credit Hours. Study bank management and bank regulation. Examine the operations and management policies of depository institutions, the conditions that have led to bank regulation and deregulation, the risk structure of credit for commercial and consumer clients, and capital management issues for a bank.

FIN 5304. Investments. 3 Semester Credit Hours. Explore the development of investment policy, the character of investment risk, a comparison of investment media, description and analysis of security markets and their operations. Prerequisite(s): FIN 3301 or equivalent.

FIN 5305. Corporate Finance Case Studies. 3 Semester Credit Hours. Incorporate case studies and financial analysis to make financial management decisions. Analyze selected cases and prepare solutions. Discuss solutions in class and prepare proposals. Students will be required to use prior knowledge, current research, and analytical ability in preparing their proposals. Prerequisite(s): Graduate standing.

FIN 5306. Markets and Institutions. 3 Semester Credit Hours. Explore the operation, mechanics, and structure of the financial system within the United States, emphasizing its institutions, markets, instruments, and monetary policy of the Federal Reserve and its impact upon financial institutions.

FIN 5307. Financial Management. 3 Semester Credit Hours. Study financial decision making in the modern corporation. Explore capital budgeting, capital structure, corporate sources of funding, dividend policy, financial risk management, standard theories of risk and return, and valuation of assets. Prerequisite(s): FIN 5100 or permission of instructor.

FIN 5308. Managerial Economics. 3 Semester Credit Hours. Analyze economic theory and methodology in business and administrative decision-making. Study the tools of economic analysis and their use in formulating business policies. Explore concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment and marketing decisions. Credit for both FIN 5308 and ECON 5308 will not be awarded.

FIN 5309. Global History of Finance. 3 Semester Credit Hours. Study the history of money to develop a unified framework for understanding the economic events, public policy, and financial innovation that characterize different geographical settings over time.

FIN 5310. Risk Management. 3 Semester Credit Hours. Explore the theory and practice of private insurance and its economic and social significance. Analyze life, health, automotive, homeowners, and liability insurance. Study various forms of risk management, characteristics of insurance contracts, government regulatory characteristics, and institutional structures are studied. Prerequisite(s): none.

FIN 5360. Finance Theory. 3 Semester Credit Hours. Study selected theoretical models used in finance. Explore the seminal theories that make up modern finance and form the basis for current research. Prerequisite(s): FIN 5307.

FIN 5370. Consumer Finance Seminar. 3 Semester Credit Hours. Explore consumer and business finance topics. Analyze debt management, initial public offering of a new business, Internet based finance and regulatory aspects, and management of compensation. Credit for both FIN 5370 and HRM 5326 will not be awarded.

FIN 5388. Financial Problems. 1-3 Semester Credit Hours. This course offers students the opportunity to become acquainted with current research being conducted within the student’s area of interest.; directed reading of a number of sources selected in concert by the student’s professor. Prerequisite(s): Permission of instructor.

FIN 5389. Selected Topics in Finance. 3 Semester Credit Hours. Examine selected topics in finance. Special emphasis on investments, corporate financial management, and financial markets and institutions. This course may be repeated for credit as the topic changes. Prerequisite(s): Graduate standing and FIN 3301 or FIN 5307 or permission of instructor.

Fine Arts (F A)

FA 3347. Music History to 1750. 3 Semester Credit Hours. Explore the history of western music, beginning with the earliest musical instruments ever found, proceeding through ancient Mesopotamia, ancient Greece and Rome, and continuing through the Medieval, Renaissance, and Baroque periods of European music. Special emphasis on theoretical structure, social and historical context, interaction with other art forms, instrumentation, and others.
**F A 3349. Music History from 1750. 3 Semester Credit Hours.**  
Explore the history of western music, continuing the Baroque period, and proceeding through the Classical, Romantic, and twentieth century periods. Special emphasis on theoretical structure, social and historical context, interaction with other art forms, and instrumentation.

**F A 3350. World Music. 3 Semester Credit Hours.**  
Introduces ethnomusicology and a cross cultural study of music. Explore music and performance from around the world, and their impact on the political, social, religious, artistic, and economic spheres. This course is appropriate for any student of any musical background. Formal training in music is not required, and you do not have to know how to read music notation.

**F A 4301. The Arts in Contemporary Society. 3 Semester Credit Hours.**  
(WI) Explore an interdisciplinary approach to the relationships of art, music, and theatre in contemporary society. Prerequisite(s): Senior or advanced Junior standing with 18 hours in ART, MUSI, or THEA or permission of department chair.

**F A 4311. The Protest Song in America. 3 Semester Credit Hours.**  
(WI) This course explores the connection between songs and social/political movements in the United States from the founding of the nation to the present era with special emphasis on analyzing lyrics as poetic expressions in the great American song tradition.

**F A 4312. The Blues. 3 Semester Credit Hours.**  
(WI) Explore the origins, evolution, and influence of the blues as both a musical and literary art form through its impact on American culture and society with special emphasis on analyzing blues lyrics as poetic expressions in the great American song tradition.

**F A 4321. The Artist on Film. 3 Semester Credit Hours.**  
(WI) This course explores a variety of films and texts on various artists in order to debate and define the stereotypes placed upon artists. Analyze the ways in which the films either clarify or distort the artist's biography, work, and legacy.

**F A 4330. Fine Arts Seminar. 1-3 Semester Credit Hours.**  
Explore current topics and issues in fine arts. Topics will vary. May be repeated twice for credit as topics vary.

**F A 4388. Fine Arts Problems. 1-3 Semester Credit Hours.**  
Independent reading, research, and discussion under personal direction of instructor. Topics vary according to student need. Prerequisite(s): Permission of department chair.

**Geography (GEOG)**

**GEOG 3303. Geographic Techniques. 3 Semester Credit Hours.**  
Examine the three main techniques in geographic analysis: computer cartography, spatial statistics, and geographic information systems (GIS). Learn basic principles and techniques of producing maps, basic spatial statistics, and the use of GIS as a tool to gather, store, manipulate, and analyze various spatial databases. Prerequisite(s): GEOG 1303 or permission of instructor.

**GEOG 4305. Geography Seminar. 3 Semester Credit Hours.**  
Examine major issues within modern geography. May be repeated for credit when topics vary. Prerequisite(s): GEOG 1303 or permission of instructor.

**Health (HLTH)**

**HLTH 3351. Principles of Health and Fitness for Children. 3 Semester Credit Hours.**  
Study health and physical education as they relate to children ages 6-14. Emphasis on skills related to personal health and safety, physical fitness, motor development, games and sports, gymnastics, and rhythmic activities. Prerequisite(s): Junior classification or permission of department chair.

**Health Administration (HEAD)**

**HEAD 5311. Health Administration and Strategy. 3 Semester Credit Hours.**  
Analyze the foundation of strategy within the complex industry of health organizations. Study theoretical frameworks and empirical analyses to emphasize the health services administrator’s role in health care. Learn how health administrators support both the providers and recipients of health care. Use a focal point to create a deep understanding of competitive advantage in the market and in government operations.

**HEAD 5312. Health Care, Economics, Finance and Accounting. 3 Semester Credit Hours.**  
Study the highest cognitive and affective understanding of applied health care, economics, finance and accounting in health services organization. Analyze theoretical frameworks and empirical analyses to emphasize organizational and provider services. Use these services in relation to capacities and competencies within the health care industry and patient/client needs and wants.

**HEAD 5313. Health Policy and Law. 3 Semester Credit Hours.**  
Study current policy and future political ideology and their impact on care in health organizations. Learn clinical framework to present issues and policy outcomes. Examine the basic principles and practices of laws affecting health facilities and medical practices, patient care and treatment, and medical and health employment.

**HEAD 5314. Health Informatics and Trends. 3 Semester Credit Hours.**  
Study the Management Information Systems (MIS) needed in health care organizations. Explore the hardware, software, and human systems requirements for operational support. Provides a foundation for those individuals who are interested in becoming certified as computer systems managers in health care organizations.

**HEAD 5315. Health Ethics and Residency. 3 Semester Credit Hours.**  
Learn historical, present and future ethical issues in health administration. Emphasis on decision, clinical, business, organizational and social ethics.

**History (HIST)**

**HIST 3300. Historian’s Craft. 3 Semester Credit Hours.**  
Introduces the study of history. Learn to think historically, understand how historians construct and write about the past, and critically evaluate historical arguments. Develop writing and research skills to interpret primary sources and master professional standards of presentation. Required for all history majors. Prerequisite(s) for upper level History courses, and must be taken during the first semester, open only to declared History majors or by consent of instructor.

**HIST 3310. American Beginnings. 3 Semester Credit Hours.**  
(WI) Explore the history of America from first European contact to 1763. Special emphasis on relations between Europeans and Native Americans, imperial rivalries, and the development of the English mainland colonies. Prerequisite(s): 6 hours of HIST or permission of department chair.
HIST 3311. Creating a Nation. 3 Semester Credit Hours.
Explore the history of the United States from 1763 to 1815. Special emphasis on the causes and consequences of the American Revolution, the writing of the Constitution, and the triumph of liberal democracy. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3312. The Age of Jackson from 1815-1848. 3 Semester Credit Hours.
Examine American development during the Jacksonian period with an emphasis on the expansion of social and political democracy. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3313. The Civil War and Reconstruction. 3 Semester Credit Hours.
Explore the events leading to the Civil War and the impact of that war and Reconstruction on American development. Special emphasis on social and cultural forces as well as politics. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3315. Populism and Progressivism, 1877-1917. 3 Semester Credit Hours.
Study American history, at the turn of the century, emphasizing the impact of industrialism and urbanism on politics and society. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3316. Military History of the United States. 3 Semester Credit Hours.
Study the role of the military in American development with emphasis on the 20th century. Concentrates on the evolution of strategy and tactics, organizational change and civilian-military relations. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3320. Social History of the United States to 1877. 3 Semester Credit Hours.
Examine the social, cultural, and economic development of the United States from colonial times to the end of Reconstruction. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3321. Social History of the United States from 1877. 3 Semester Credit Hours.
(WI) Examine the social, cultural, and economic development of the United States since the end of Reconstruction. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3322. History of Texas. 3 Semester Credit Hours.
Explore Texas history from the Spanish colonial period to the present. Concentrates on the dynamics of Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3324. Hollywood Westerns and the American West. 3 Semester Credit Hours.
Examine the 20th century American Western through an examination of Western films, from the early twentieth century to the present day. Analyze mythic interpretations and historical realities of the American West to understand the role of the western in shaping perceptions of the West.

HIST 3325. United States Women's History to 1877. 3 Semester Credit Hours.
Study the history of women in America from 1877 through the present, with special emphasis on women's roles in public and private life, and the historical role of women in the development of the nation.

HIST 3326. United States Women's History from 1877. 3 Semester Credit Hours.
Study the history of women in America from 1877 through the present, with special emphasis on the emergence of modern American women during the latter part of the Nineteenth century and women's roles in the continued development of the nation.

HIST 3327. African American History to 1877. 3 Semester Credit Hours.
Explore African American history from the colonial period to 1877, with special emphasis on the slave trade, the development of the institution of slavery, free blacks and the impact of the Civil War and Reconstruction on African Americans.

HIST 3328. African American History from 1877. 3 Semester Credit Hours.
Explore African American history from the end of Reconstruction to the present, with special emphasis on black leaders, disenfranchisement, lynching and the quest for equality in the mid-twentieth century.

HIST 3329. Church and State. 3 Semester Credit Hours.
Examine the relationship of church and state in United States history, and the role religion has played in American political life, culture, and society.

HIST 3330. The Renaissance and Reformation, 1300-1648. 3 Semester Credit Hours.
Survey European political, diplomatic, and cultural history from 1300 to 1648. Special emphasis on Renaissance Humanism, the Protestant movements, the Catholic Reformation, and the emergence of the European state system during the age of religious wars. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3331. The Industrial Revolution, 1763-1848. 3 Semester Credit Hours.
Survey Medieval Europe from the decline of the ancient world to the eve of the Renaissance. Special emphasis on the political, economic and social changes underlying the formation and development of medieval civilization. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3332. Europe from 1814 - 1919. 3 Semester Credit Hours.
Examine the important developments in the political, diplomatic, social, economic, and intellectual history of Europe between the Congress of Vienna and the first World War, including the Revolution of 1848, the Industrial Revolution, and European diplomatic events leading to the Great War. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3333. Asian Civilization. 3 Semester Credit Hours.
A survey of Asian civilizations with a primary focus on the history and cultures of India, China, and Japan. Examine general trends in the political, economic, social, and intellectual history of Asia, highlighted by discussions and consideration of selected cultural elements, such as art, literature, and film.

HIST 3334. Europe from 1814-1919. 3 Semester Credit Hours.
Examine the important developments in the political, diplomatic, social, economic, and intellectual history of Europe between the Congress of Vienna and the first World War, including the Revolution of 1848, the Industrial Revolution, and European diplomatic events leading to the Great War. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 3335. Military History of the United States. 3 Semester Credit Hours.
Examine the military history of the United States, from colonial times to the present day. Special emphasis on the evolution of strategy and tactics, organizational change and civilian-military relations. Prerequisite(s): 6 hours of HIST or permission of department chair.
HIST 3371. History of Mexico Before Independence. 3 Semester Credit Hours.
Examine Mexican history from the arrival of the first peoples through the end of the Spanish colonial era. Special emphasis on early native civilizations, especially the Maya and Aztec, as well as the incursion of the Spanish and the conquest and colonization of Mexico.

HIST 3372. History of Mexico from 1821 - Present. 3 Semester Credit Hours.
Examine modern Mexico, including the independence movement, conflict of centralism and federalism, war with the United States, political and economic developments under Juarez, Maximilian, and Diaz, and the social revolution of the 20th century. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4301. United States History and the World. 3 Semester Credit Hours.
(WI) Learn how world events influenced American history from 1789 to the present. Examine American diplomatic, economic, political, and social reactions to major world occurrences. Emphasis will be on the twentieth century, particularly on the two world wars and the Cold War Era.

HIST 4302. Economic Development of the United States. 3 Semester Credit Hours.
Survey the economic development of the United States from colonial times to the present. Credit for both HIST 4302 and ECON 4302 will not be awarded. Prerequisite(s): ECON 1301 or ECON 2301 and 6 hours of HIST.

HIST 4307. History Careers Outside the Classroom. 3 Semester Credit Hours.
Examine the choices available for historians who seek careers outside of classroom teaching, including museums, historic preservation, cultural resource management, archival administration, parks, oral history, corporate history, and editing and publishing. Will not count as a history course for purposes of teacher certification. Prerequisite(s): 6 hours of HIST.

HIST 4310. United States History from 1914 - Present. 3 Semester Credit Hours.
Examine the history of the United States since 1914, with an emphasis on political, social, and economic development of the nation. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4312. Topics in Women's History. 3 Semester Credit Hours.
(WI) Explore special topics in the history of American women. May be repeated when the topic varies.

HIST 4313. Topics in African American History. 3 Semester Credit Hours.
Develop understanding of African American history through advanced study of selected topics. May be repeated when the topic varies.

HIST 4314. History of Trans-Mississippi West. 3 Semester Credit Hours.
Examines the history of the Great West from the Lewis and Clark expedition to the 20th century. Special emphasis on the West as a distinctive region in national politics, state building in the 19th century, and the development of agriculture, transportation, and commerce. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4315. History of the South. 3 Semester Credit Hours.
Surveys southern history emphasizing distinctive factors which set the region apart from the rest of the United States, including social and cultural development. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4317. Topics in Native American History. 3 Semester Credit Hours.
Examine advanced Native American history topics. May be repeated when the topic varies.

HIST 4318. Topics in Oral History. 3 Semester Credit Hours.
Examine advanced Oral History topics, including instruction in the history, methodology, and analysis of oral history. May be repeated when the topic varies.

HIST 4327. History of Russia and Eastern Europe to 1917. 3 Semester Credit Hours.
Examination of Russia and Eastern Europe from the ancient period to the 1917 Bolshevik Revolution. Topics include: the development of Kievan Rus, the Mongol invasion, the Time of Troubles, the French Revolution and Napoleon, the Crimean War, the growth of revolutionary movements, and major philosophical, cultural, religious, and political ideas. Prerequisite: 6 hours of History or permission of Department Chair.

HIST 4328. History of the Soviet Union and Post-Soviet Russia and Eastern Europe. 3 Semester Credit Hours.
Examination of the creation and the development of the Soviet Union and Post-Soviet Europe. Major events covered include: the Bolshevik Revolution, official cultural policies, World War II, the Cold War, the fall of Communism, transition to Capitalism, resurgent nationalism, and post-Communist political movements. Prerequisites: Recommended that students take History of Russia and Eastern Europe to 1917 Required: 6 hours HIST or permission of Department Chair.

HIST 4332. England and Great Britain to 1603. 3 Semester Credit Hours.
Explore English history from Roman Britain to the death of Queen Elizabeth and the end of the Tudor dynasty. Special emphasis on the political, legal, and religious changes which formed the foundations of modern England. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4333. England and Great Britain from 1603. 3 Semester Credit Hours.
Explore English and British history from 1603 to modern times. Special emphasis on the constitutional, political, economic, and legal changes which shaped Great Britain, including a survey of the empire and the United Kingdom. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4335. Social History of Modern Europe. 3 Semester Credit Hours.
An analysis of European society since the industrial revolution, with emphasis on the social impact of industrialization and urbanization, changing patterns of social stratification, mobility, and class conflict in the 19th and 20th centuries. Pre-requisite: 6 hours of HIST or permission of department chairperson.

HIST 4336. European Intellectual and Cultural History. 3 Semester Credit Hours.
Examine the fundamental ideas in the European intellectual tradition through an analysis of primary texts. Analyze the foundations of western thought in the Judeo-Christian and Greco-Roman traditions, as well as the ideas and ideologies that have shaped modern European mentalities. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4337. Europe from 1919 - 1945. 3 Semester Credit Hours.
Examine the period from the Paris Peace conference in 1919 to the end of the Second World War in Europe. Special emphasis on political and economic instability, the rise of dictatorships, and European diplomatic crises leading to war.
HIST 4341. Revolutionary Europe from 1789 - 1814. 3 Semester Credit Hours.
Examine the political, social, economic, and intellectual forces unleashed in the French Revolution and Napoleonic era, beginning with a study of the Old Regime and ending with the Congress of Vienna in 1814. Special emphasis on the rise of liberalism and nationalism in Europe. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4345. World War II and the Holocaust. 3 Semester Credit Hours.
Examine European history between the rise of Fascism and Communism after the Great War to the end of World War II in 1945. Special emphasis on European diplomacy in the inter-war years, the conduct of the Second World War, and the Holocaust. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4364. Topics in National Histories. 3 Semester Credit Hours.
Examine the history of a particular state or region in depth. May be repeated for credit when the topics vary. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4365. History of the World since 1919. 3 Semester Credit Hours.
Explore major trends in world history following World War I, including the impact of the Great Depression, the rise of totalitarianism, and the coming of World War II. Special emphasis on the postwar period. Prerequisite(s): 6 hours of HIST or permission of department chair.

HIST 4380. History Seminar. 1-3 Semester Credit Hours.
Individual instruction in selected fields of history. Emphasis on reports and wide readings in selected fields. May be taken for more than once for credit. Prerequisite(s): Senior standing or permission of department chair.

HIST 4381. Concepts of History Education. 3 Semester Credit Hours.
Considers the methods and techniques for presenting historical material to secondary students. Learn to organize material into a logical framework to better present the interplay of people, nations, and cultures through time. Focuses on mastery of subject areas of the Texas Examination for Educator Standards for teacher certification.

HIST 4382. Historical Method. 3 Semester Credit Hours.
(WI) Examine the concepts basic to historical thinking, causation, periodization, change, and continuity, the roles of social forces and individuals, and problems of interpretation, accuracy, and truth. Compare the social sciences and the humanities with an emphasis on the distinctive nature of the historical discipline as it has developed through time. Prerequisite(s): HIST 3300.

HIST 4388. History Problems. 1-6 Semester Credit Hours.
Independent reading, research and discussion. Entry into this course will be arranged with the history counselor.

HIST 4389. Special Topics in History. 3 Semester Credit Hours.
Examine important periods, regions, and themes in history. May be repeated when the topic varies.

HIST 4391. History Practicum. 3 Semester Credit Hours.
Gain professional experience in the workplaces where historians find professional careers including museums, historic preservation, cultural resource management, archival administration, teaching, parks, oral history, corporate history, and editing and publishing. Will count as an elective but not for teacher certification or completion of the history major. Prerequisite(s): HIST 4307. May be repeated once for credit. Field experience fee $75.

HIST 4395. History Senior Research Seminar. 3 Semester Credit Hours.
(WI) Develop and apply historical research and writing skills through exploration of selected topics. Prerequisite(s): HIST 2311, HIST 2312, HIST 1301 and HIST 1302.

HIST 5090. History Comprehensive Examination. 0 Semester Credit Hours.
Comprehensive Examination for non-thesis students in the field of History. The Comprehensive Examination should be completed during the final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

HIST 5198. History Thesis. 1-6 Semester Credit Hours.
Scheduled when the student is ready to begin the thesis. No credit until the thesis is completed. Prerequisite(s): 24 hours graduate credit, including HIST 5380 and at least one research seminar, and consent of major professor.

HIST 5300. Elements of Historical Inquiry. 3 Semester Credit Hours.
Examine history as a profession, including how historians read sources, pose questions, draw inferences, shape their narratives, and engage historical writings.

HIST 5307. Public History Seminar. 3 Semester Credit Hours.
Examine public history careers available for master's level history graduates in areas outside of classroom teaching. This is a gateway course for all public history courses.

HIST 5308. Museum Studies. 3 Semester Credit Hours.
Examine the theory and practice of the multiple careers available to historians in museums, including curating, collections care, educational programming, exhibits, media relations, financial development, and construction and management of facilities.

HIST 5309. Historic Preservation. 3 Semester Credit Hours.
Examine historic preservation as an area of professional employment for historians.

HIST 5310. Archival Principles and Practices. 3 Semester Credit Hours.
Examine the principles and practices of archival management.

HIST 5315. United States Foreign Policy since 1945. 3 Semester Credit Hours.
Explores United States national security and foreign policy since 1945, and the historical antecedents of contemporary foreign policy challenges. Emphasis on policy decisions, domestic and bureaucratic processes, the role of intelligence, and the use of force and diplomacy.

HIST 5320. Select Topics in State and Local History. 3 Semester Credit Hours.
Explore selected topics in state and local history, as well as readings and research in Texas history. May be repeated when topics vary.

HIST 5322. Select Topics in American History. 3 Semester Credit Hours.
Research and writing on selected topics in American History. May be repeated for credit when topics vary.

HIST 5325. Readings in American History to 1877. 3 Semester Credit Hours.
Explore the major themes and critical works in selected topics of American History to 1877. Writing assignments will include the types of writing conducted most frequently by historians, including book reviews, literature reviews, and annotated bibliographies.

HIST 5326. Readings in American History since 1877. 3 Semester Credit Hours.
Readings and discussions of selected problems in American History since 1877. May be repeated for credit when topics vary.
HLS 5335. Europe since 1945. 3 Semester Credit Hours.
Study the main turning points in the history of postwar Europe, with an emphasis on the European integration movement. Themes include theories of integration, the democratic deficit, the transparency, accountability, and legitimacy of European policy processes, the Common Market, monetary integration and the Euro, common foreign, security, and the defense policy, social immigration policy, issues of enlargement, and relations between the European Union and non-EU entities.

HIST 5340. Readings In European History. 3 Semester Credit Hours.
Readings and discussions of selected topics in early modern and modern European history. May be repeated for credit when topics vary.

HIST 5342. Topics in European History. 3 Semester Credit Hours.
Research and writing on selected topics in European History. May be repeated for credit when topics vary.

HIST 5360. Readings In World History. 3 Semester Credit Hours.
Readings and discussion of selected topics in the history of regions and countries outside of Europe and the United States. May be repeated for credit when topics vary.

HIST 5380. Historiography and Historical Method. 3 Semester Credit Hours.
Explore various ideological schools of thought in the study of history. Emphasis on recent trends and techniques in historical writing. Prerequisite(s): HIST 5300 and full admission to the graduate program or permission of instructor.

HIST 5388. History Problems. 1-6 Semester Credit Hours.
Conference course exploring various topics in the study of history, with independent reading, research, and discussion, under supervision of senior professor.

HIST 5391. History Practicum. 3 Semester Credit Hours.
Gain professional experience in workplaces where historians find professional careers including museums, historic preservation, cultural resource management, archival administration, teaching, parks, oral history, corporate history, and editing and publishing. Will count as an elective but not for teacher certification or completion of the history major. May be repeated once for credit. Prerequisite(s): Permission of instructor and department chair. Field experience fee $75.

Homeland Security (HLS)

HLS 5307. Homeland Security. 3 Semester Credit Hours.
Study the strategic, legal, policy, operational, and organizational issues associated with the defense of the U.S. homeland from foreign and domestic terrorist threats. Topics include legal issues in Homeland Security, effective interfacing between local, state, and federal agencies, emergency management operations, and planned response strategies. Maybe crosslisted with CRIJ 5307. Only one may be taken for credit.

HLS 5309. Terrorism. 3 Semester Credit Hours.
Examine the definitions, history, beliefs, practices, organizational structure, and conflicts involved in terrorist activities. Address funding and criminal connections with terrorist organizations, and discuss efforts at counterterrorism as well as the psychological aspects of suicide terrorism. Cross-listed with CRIJ 5309; only one may be taken for credit.

HLS 5320. Religious Terrorism. 3 Semester Credit Hours.
Examine the religious motivations, support, and tactics behind the phenomena of domestic and foreign terrorism. Review case studies and histories of specific terrorist organizations, and discuss justifications for violence and terrorist targets. Cross listed with RELS 5320; only one may be taken for credit.

HLS 5321. Leadership and Supervision. 3 Semester Credit Hours.
Examine leadership and organizational theories focused on identifying problems and solutions in criminal justice management. Utilize the case study method and current literature to explore how leadership styles, human resources, and the organizational environment impact management decisions. Maybe crosslisted with CRIJ 5321. Only one may be taken for credit.

HLS 5370. Foundations of Information Security. 3 Semester Credit Hours.
Examine fundamental concepts and principles of information Security Management, and Information Assurance as it affects modern business operations. Explore major issues and legal aspects related to physical, technical, and operational cyber security measures. Develop risk management skills, and learn business access security, communication and network security, operating systems security, and identity and access control management. Maybe crosslisted with CRIJ 5370. Only one may be taken for credit. Prerequisite(s): None.

Human Resource Management (HRM)

HRM 5090. Human Resources Comprehensive Examination. 0 Semester Credit Hours.
Study and take the human resources examination for non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

HRM 5301. Human Resource Management. 3 Semester Credit Hours.
Presents the fundamental principles and techniques of personnel management and examines the management of human resources from the point of view of the personnel officer, the operational manager and the employee. Examines the responsibilities of organizational leadership for incorporating human resource issues in strategic planning and initiatives. Emphasis is placed in current legal considerations, issues and research. Prerequisite(s): BUSI 5300.

HRM 5302. Human Resource Management. 3 Semester Credit Hours.
Presents the fundamental principles and techniques of personnel management and examines the management of human resources from the point of view of the personnel officer, the operational manager and the employee. Examines the responsibilities of organizational leadership for incorporating human resource issues in strategic planning and initiatives. Emphasis is placed in current legal considerations, issues and research. Prerequisite(s): Management Leveling.

HRM 5303. Managing Human Resource Development. 3 Semester Credit Hours.
Explore the management of human resources development training programs. Examine management issues, identify and respond to training needs, cost/benefit analysis, four-phase evaluation and the selection and development of training staff. Prerequisite(s): Management Leveling.

HRM 5304. Personnel Problems Seminar. 3 Semester Credit Hours.
Study selected problems in employment, employee education and training, labor relations, industrial health and safety, wage and salary administration, and employee services. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need.
HRM 5305. Human Resource Law. 3 Semester Credit Hours.
Examine legal issues and regulatory processes related to employment relationships, equal employment opportunity and affirmative action, privacy, employment testing and staffing, compensation and benefits, employee/labor relations, and occupational health and safety.

HRM 5307. Human Resource Consulting and Job Analysis. 3 Semester Credit Hours.
Study theories, strategies, operational issues and research related to conducting job analyses. Learn job description and specification development. Emphasis is placed on using appropriate techniques to acquire measures, assess and use information gathered in the workplace. Explore and develop consulting skills as used in the HR field. Field projects are used extensively. Prerequisite(s): HRM 5302 or the permission of instructor.

HRM 5310. The Adult Learning Environment. 3 Semester Credit Hours.
Examine learning patterns, interests and participation among adults, with implications for training and development programs. Particular attention is given to the joint responsibility for learning between trainer and adult participants.

HRM 5314. Workforce Planning and Employment. 3 Semester Credit Hours.
Study the legal, ethical and organizational considerations related to recruitment, assessment, selection, placement and appraisal of employees and managers within various types of organizations. Learn case law as a basis for discussing the role of the EEOC, INS, DOL and other enforcement agencies in this critical human resource function. Special emphasis on career development and record-keeping. Prerequisite(s): HRM 5302, HRM Leveling, or approval of the instructor.

HRM 5315. Employee Benefits and Services. 3 Semester Credit Hours.
Examine legal, social and technical issues and research surrounding current trends in employee benefit programs. Analyze group health, disability and life insurance, retirement planning, time-off (leave) and wellness programs. Emphasis is placed on program administration, implementation and evaluation. Prerequisite(s): HRM 5302 or permission of instructor.

HRM 5316. Compensation Management. 3 Semester Credit Hours.
Analyze theories, concepts, operational practices and research related to managing comprehensive compensation programs. Learn various types of compensation plans, including job evaluation levels and wage structures. Emphasis is placed on the development of sound compensation programs which consider current trends, legal implications and social requirements. Quantitative applications are required to analyze various case studies and problems. Prerequisite(s): HRM 5302, HRM Leveling, or approval of the instructor.

HRM 5324. Employment and Labor Relations. 3 Semester Credit Hours.
Explore the labor union movement and the process of collective bargaining, the formation of a union, labor agreement negotiation, labor agreement administration, grievance processes, and arbitration and mediation. Examine labor law and legal issues in labor relations, including the National Labor Relations Act and the functions of the NLRB. Negotiation skills are developed in mock labor contract negotiations. Prerequisite(s): HRM 5302 and HRM 5301 or HRM 5305 or concurrent enrollment.

HRM 5326. Human Resource Management Seminar. 3 Semester Credit Hours.
Study selected topics in human resource management. Engage in independent research, reading, and discussions under direction of professor. Topics may vary according to student need. May be repeated once for credit when topics vary.

Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in a visited foreign country. Graduate students will be required to complete an extensive research project in addition to other course requirements. A study abroad at the student’s expense is required. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s): Admission into a COBA graduate program and permission of instructor. Field experiences fee $75.

HRM 5334. Professional Issues in Human Resource. 3 Semester Credit Hours.
Examine contemporary professional issues in human resource management. Emphasis on current issues, ethical decision-making processes, work place investigations, and continued professional development. Successful completion of a comprehensive competency examination covering the principal areas within the human resource management functions is required. Prerequisite(s): BUSI 5310, HRM 5302, HRM 5303, HRM 5305, HRM 5314 and HRM 5316, or concurrent enrollment in each.

HRM 5384. Human Resource Management Internship. 3 Semester Credit Hours.
Gain professional experience in the human resource field under the supervision of a faculty-approved management sponsor. Emphasis is placed on the application of human resource management skills to practical problems and situations. A minimum of 20 work hours per week is expected, with a total of 200-300 on-the-job hours required during the semester. Prerequisite(s): Completion of 12 graduate semester hours in Human Resource Management, preregistration coordination and permission of course instructor. Field experiences fee $75.

HRM 5388. Human Resource Management Problems. 3 Semester Credit Hours.
Study selected problems in human resource management, and conduct research within a specific area of interest. Engage in independent research, reading, and discussions as directed by the responsible professor. Topics may vary according to student need. Prerequisite(s): Permission of department chair.

Liberal Studies (LIBs)

LIBS 3300. Intro to Liberal Studies. 3 Semester Credit Hours.
Student are introduced to the major issues in interdisciplinary studies. Students research how their academic concentrations emerged as distinct disciplines and produce a research paper and presentation of their findings. Prerequisite(s): Junior standing.

LIBS 4395. Liberal Studies Capstone. 3 Semester Credit Hours.
This course requires students to integrate and use fundamental concepts learned in previous courses within the students' degree concentrations including research and analysis of real-world phenomena and problems. Students present written reports on their research, supplemented by appropriate internet and multimedia materials, as well as portfolios documenting their research. This is a writing intensive course for Liberal Studies majors. Prerequisite(s): BCIS 1301 or CIS 3300; ENGL 3309; senior standing and approved degree plan for Bachelor of Science in Liberal Studies program.
LIBS 5090. Comprehensive Examination. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

LIBS 5300. Interdisciplinarity. 3 Semester Credit Hours.
This course allows students to assess and to discuss various topic(s) examined from an interdisciplinary approach. Emphasis is upon investigating the contributions of interdisciplinary research in academia. Prerequisite: Graduate standing.

Management (MGMT)

MGMT 3301. Principles of Management. 3 Semester Credit Hours.
Study the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. Special emphasis on the systems concept of management and role of the manager in each level of the organization.

MGMT 3302. Personnel and Human Resource Management. 3 Semester Credit Hours.
Study fundamental functions of human resources management, relationship between personnel management and organizations’ emerging role of personnel administration in development of strategic policy for organizations. Prerequisite(s): MGMT 3301 or permission of department chair.

MGMT 3303. Supervisory Management. 3 Semester Credit Hours.
Investigate the role, function, and responsibilities of the supervisor in modern organizations through study of sociological and psychological theories in human relations. Emphasis is on development of supervisory skills in communications, motivation, discipline, morale, and grievances as they arise in superior-subordinate relationships. Prerequisite(s): MGMT 3301 or permission of department chair.

MGMT 3310. Entrepreneurship I. 3 Semester Credit Hours.
Learn how to identify and evaluate opportunities that may become the foundation for a new business venture. Learn to develop a new business venture using the business model canvas. Assess the value of a concept and explore opportunity recognition, innovation and creativity, the legal structure of business, and types of entrepreneurial ventures. Prior knowledge in basic business fundamentals and good writing skills are preferred, but not required.

MGMT 3350. Organizational Behavior. 3 Semester Credit Hours.
Analyze behavior of people at work in all types of organizations. Learn fundamentals of organizational behavior, values, ethics, motivation, group dynamics, individual differences, attitudes, decision-making, conflict, power, change, stress, leadership, rewarding behavior, communication, and organizational structure. Prerequisite(s): MGMT 3301 and BUSI 3301.

MGMT 4302. Productive Relationships. 3 Semester Credit Hours.
Examine the practicals and theories related to dealing with human behavior. Emphasis on identifying and classifying behavior in order to better understand behavior and to develop strategies for effectively managing interpersonal relationships. A materials fee of $45 is required for needed course materials. Prerequisite(s): MGMT 3301 and BUSI 3301.

MGMT 4303. Wage and Salary Administration. 3 Semester Credit Hours.
Study wage and salary administration in public and private organizations. Examine determinants of general wage and salary levels and structures, and total compensation systems. Explore the interrelationship among employee performance, intrinsic and extrinsic rewards, perceived equitable payments, and employee satisfaction. Prerequisite(s): MGMT 3302 and BUSI 3301.

MGMT 4304. Recruitment and Selection of Human Resources. 3 Semester Credit Hours.
Study recruitment and selection of human resources for organizations. Examine optimal utilization of human resources within organizations, and the use of tests and other techniques in human resource management. Prerequisite(s): MGMT 3302 and BUSI 3301.

MGMT 4305. Human Resource Development. 3 Semester Credit Hours.
Learn practical and theoretical approaches to training and development of employees in an organization. Study role and scope of training and development functions, philosophies, strategies, needs analysis, development of program content, and evaluation Prerequisite(s): MGMT 3302 and BUSI 3301.

MGMT 4306. Employer and Labor Relations. 3 Semester Credit Hours.
Study collective bargaining, labor market fundamentals, unionism, and related issues of labor economics. Prerequisite(s): MGMT 3301.

MGMT 4310. Entrepreneurship II. 3 Semester Credit Hours.
Develop skills required to manage and grow a new venture past the start-up. Apply general business concepts to the challenges facing entrepreneurs. Draw on a broad range of business disciplines including management, marketing, finance, and accounting to develop a business plan. As such, background knowledge in these areas, as well as good writing skills, is strongly preferred, but not required. Prerequisite(s): MGMT 3301 or permission of department chair.

MGMT 4321. Production and Operations Management. 3 Semester Credit Hours.
Study industrial organization, scientific management, planning and control, building locations and layouts, wage rates, corporation relationships, and research. Prerequisite(s): MGMT 3301 and BUSI 3311.

MGMT 4322. Management Science. 3 Semester Credit Hours.
Learn quantitative techniques of decision-making with an emphasis on managerial needs. Study discipline of continuous improvement in managerial decision-making. Analyze problem definition, data gathering and analysis, process improvement, improvement control, and be able to make recommendations to improve business results. Prerequisite(s): MGMT 3301 and BUSI 3311.

MGMT 4325. Leadership Theory and Practice. 3 Semester Credit Hours.
Study leadership theories and issues with practical application of newer leadership models in contemporary organizations. Explore facets of both leadership and followership, along with the impact of the particular organizational setting and situation. Explore situation analysis through active reflection, analysis of case studies, simulations, and popular business press treatment of leadership situations. Prerequisite(s): BUSI 3301 and MGMT 3301.

MGMT 4340. Management Seminar. 3 Semester Credit Hours.
Study current issues in management. Analyze readings from current management publications and other related periodicals. May be repeated for credit when topics vary. Prerequisite(s): 15 hours of MGMT or permission of department chair.
MGMT 4350. Management Information Systems. 3 Semester Credit Hours.
(WI) Investigate management issues related to business information systems designed to meet the informational needs of the various business subsystems. Learn the concepts of systems development, security, privacy and ethics associated with information systems are stressed. Credit will be awarded for only 1 of the following courses: ACCT 4350, CIS 4350, or MGMT 4350. Prerequisite(s): BUSI 3301 and MGMT 3301.

MGMT 4354. International Management. 3 Semester Credit Hours.
Study the international dimensions of the marketplace and environment related to management. Examine the role of culture within international strategic management, organizational behavior and human resource management. Prerequisite(s): MGMT 3301, BUSI 3301 and BUSI 3344.

MGMT 4356. Global Management Practices. 3 Semester Credit Hours.
Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in a visited foreign country. A study abroad at the student’s expense is required. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s): Junior or senior standing. BUSI 4354, MGMT 4356, or MKTG 4356 may not be taken concurrently. Field assignment fee of $75.

MGMT 4360. Emergency Management. 3 Semester Credit Hours.
Learn theories, principles and approaches to emergency management. Study the Philosophy of Comprehensive Emergency Management (CEM) with its four phases of preparedness, mitigation, response, and recovery. Analyze past disasters presented along with their attendant policy formations leading to the FEMA all-hazards approach.

MGMT 4384. Management Internship. 3 Semester Credit Hours.
Participate in a management related position with a public or private business organization that is preapproved and supervised. May be repeated for a total of 6 credit hours. Prerequisite(s): MGMT 3301 and permission of department chair. Field experiences fee: $75.

MGMT 4388. Management Problems. 1-3 Semester Credit Hours.
Study selected problems in management. Engage in independent research, reading and discussions under the personal direction of the instructor. Topics may vary according to student need. May be repeated with permission of department chair. Prerequisite(s): Senior standing and permission of department chair.

MGMT 5090. Management Comprehensive Examination. 0 Semester Credit Hours.
Study and take the management examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

MGMT 5301. Organizational Behavior. 3 Semester Credit Hours.
Learn behavioral theory in organizational context. Study individual and group dynamics in the business environment. Specific emphasis given to leadership, motivation, communication, employee supervision, and morale. Prerequisite(s): Management leveling.

MGMT 5305. Analytical Methods of Management Decisions. 3 Semester Credit Hours.
Study analytical techniques which may be used to facilitate decisions analysis. Learn concepts of utility, break even analysis, network models, linear programming, game theory and computer simulation. Use course activity to survey analytical techniques which may be used to facilitate analysis of alternative decisions and practice in applying the techniques through problem solving. Prerequisite(s): BUSI 3311 or MATH 3300 and graduate standing.

MGMT 5306. Influence Organizational Productivity By Interpersonal Relationships. 3 Semester Credit Hours.
Learn the practicals and theories related to interpersonal behavior and its influence on organizational productivity. Learn to identify and classify behavior in order to better understand behavior and to develop strategies for creating productive relationships with others. Particular emphasis is directed toward the impact of interpersonal behavior in business organizations and the potential effect on productivity. A materials fee of $45 is required for needed course materials.

MGMT 5307. Responsibilities and Ethics of Leadership. 3 Semester Credit Hours.
Analyze an organization’s social and environmental responsibilities to its employees, customers, and other key stakeholder groups. Emphasis is given to the case study method for evaluating the performance of various organizations. Develop a theoretical framework for understanding ethics, principles and values of leadership as they affect the organization, the organizational environment, and society. Prerequisite(s): Management Leveling.

MGMT 5308. Analysis and Design of Organizations. 3 Semester Credit Hours.
Examine theories, processes, and models of organization design. Emphasis on alignment of structure, technology, information systems, reward systems, people and culture, management processes with organizational goals. Compare and contrast the flexible, adaptive learning organization with the traditional centralized, standardized, and formalized organization. Prerequisite(s): MGMT 5301.

MGMT 5309. Management and Leadership Seminar. 3 Semester Credit Hours.
Examine the distinctions between management and leadership. Emphasis is on the case study method for examining the applications of leadership principles to varied organizational situations. Explore developing leaders who can effectively deal with the changing leadership challenges of modern organizations. MS, Management students must take this course as their integrating capstone course having completed or be concurrently completing the core courses for the program. Prerequisite(s): MGMT 5301, MGMT 5308 and MGMT 5368 or permission of instructor.

MGMT 5310. Leadership Formation and Development. 3 Semester Credit Hours.
This course explores, through use of case studies and experiential exercises, the application of mainstream and emerging theories and approaches to leadership formation and development. Students have the opportunity to focus on developing both their personal and organizational leadership abilities and skills to more effectively deal with the environmental and organizational challenges of the global, Internet age. Prerequisite(s): MGMT 5301.
MGMT 5311. Managing Operations and Service. 3 Semester Credit Hours. Study concepts, models and methods used to effectively manage the manufacturing and/or service operations of for-profit and not-for-profit organizations. Emphasis will be placed on the design and use of cross-functional operations planning, control, and support systems. Examine contemporary relevance to include supply chain management, enterprise resource planning, time-based competition, and quality improvement. Prerequisite(s): Management and statistics leveling.

MGMT 5315. International Management. 3 Semester Credit Hours. Study cultural aspects of managing organizations. Learn research, synthesis, and presentation of current and seminal research on the subject of global business cultures and their management. Analyze cross-cultural issues and their impact on leadership and organizational performance. Prerequisite(s): Management leveling.

MGMT 5320. Negotiations. 3 Semester Credit Hours. Learn distributive negotiation, integrative negotiation, biases and pitfalls in negotiation, building trust, developing a negotiation style, power, persuasion, ethics, creativity and problem solving. Theoretical lecture/discussion and practical application/skill development, including in-class role plays, are used in this course. A materials fee of $40 is required for needed course materials.

MGMT 5340. Management Seminar. 3 Semester Credit Hours. Explore selected management topics of current importance to business management. May be repeated once for credit when topics vary.

MGMT 5350. Project Management. 3 Semester Credit Hours. Study a comprehensive overview of project management. Analyze culture, principles, and basic techniques of project management using the project life cycle as the primary organizational guideline. Learn project management functions and use basic tools of project management such as work breakdown structure, scheduling, contracting, earned value analysis, and risk management. A materials fee of $25 is required to support a learning simulation.

MGMT 5356. Global Management Practices. 3 Semester Credit Hours. Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in a visited foreign country. A study abroad at the student’s expense is required. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s): Admission into a COBA graduate program and permission of instructor. Field experiences fee $75.

MGMT 5368. Organizational Development and Change. 3 Semester Credit Hours. Study, research and analyze pro-active strategies for organizational change using the theories and techniques of applied behavioral science. Examine phases of consulting, strategies, intervention decisions and actions, multiple roles, skills and phases of internal and external consultants, ethical dilemmas and guidelines and the implementation of action research. Develop a complete, step-by-step, intervention strategy. Prerequisite(s): MGMT 5301.

MGMT 5384. Management Internship. 3 Semester Credit Hours. Participate in a management related position with a public or private business organization that is preapproved and supervised. May be repeated for a total of 6 hours credit. Prerequisite(s): Permission of department chair. Field experiences fee $75.

MGMT 5388. Management Problems. 1-6 Semester Credit Hours. Study problems, topics, and perform research in management within the student’s area of interest. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. This course offers students the opportunity to study. Prerequisite(s): Permission of department chair.

Marketing (MKTG)

MKTG 3301. Marketing. 3 Semester Credit Hours. Examine principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

MKTG 3312. Public Relations. 3 Semester Credit Hours. Study the techniques used in planning public relations programs for businesses, schools, churches, and civic associations. Learn press relations, crisis management, advertising, speech writing, and campaign activities. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 3315. Personal Selling. 3 Semester Credit Hours. Study the role and techniques of personal selling as a component of the marketing mix. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 3316. Consumer Behavior. 3 Semester Credit Hours. Analyze individual and group behavior of people performing in consumer role. Study buying motives, social class, and research techniques in consumer behavior. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 3317. Retailing. 3 Semester Credit Hours. Learn fundamental operations of retailing, studying of buying practices, pricing, store locations and layout, sales promotions, personnel management, and stock control. Study design to aid the student seeking a general knowledge of the retail field as well as those specializing in Marketing. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 3318. Promotional Strategy. 3 Semester Credit Hours. Study a controlled, integrated program of promotional variables. Learn how to present a company and its products to prospective customers, to promote need-satisfying attributes of products toward the end of facilitating sales, and long-run performance. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 3320. Marketing Research. 3 Semester Credit Hours. Study accurate, objective, and systematic gathering, recording, and analyzing of data about problems relating to marketing goods and services. Prerequisite(s): MKTG 3301, BUSI 3301 and BUSI 3311.

MKTG 4301. Advertising. 3 Semester Credit Hours. Analyze advertising in modern media. Study the history, design, effects of advertising, and the uses of different media for advertising purposes. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 4302. Services Marketing. 3 Semester Credit Hours. Learn about service environment. Analyze the most successful service-oriented industries and firms within the world’s fastest-growing economic sector. Prerequisite(s): MKTG 3301 and BUSI 3301.

MKTG 4316. Marketing Management. 3 Semester Credit Hours. Study strategic planning and management of all functional aspects of the marketing operation of an enterprise using comprehensive analytical methods and an integrated marketing mix. Prerequisite(s): Senior standing and 9 hours of MKTG.

MKTG 4340. Marketing Seminar. 3 Semester Credit Hours. Examine the current issues/topics in Marketing. May be repeated for credit if the topic varies. Prerequisite(s): MKTG 3301, BUSI 3301 and permission of instructor.
MKTG 4354. International Marketing. 3 Semester Credit Hours.
Study comparative marketing systems, including economic, social, technological, governmental, and political environments as they affect international marketing operations. Prerequisite(s): MKTG 3301, BUSI 3301 and BUSI 3344 or permission of department chair.

MKTG 4356. Global Marketing Practices. 3 Semester Credit Hours.
Study basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in a visited foreign country. A study abroad at the student’s expense is required. Student may complete a maximum of six hours of SOBA sponsored study abroad toward degree completion. Field assignment fee: $75. Prerequisite(s): MKTG 3301, junior or senior standing and permission of instructor. BUSI 4354, MGMT 4356, or MKTG 4356 may not be taken concurrently.

MKTG 4384. Marketing Internship. 1-6 Semester Credit Hours.
Participate in a marketing-related position with a public or private business organization that is preapproved and supervised. Acquiring a new marketing-related position after approval of the internship or the approval of experiences beyond the scope of the student's present job. May be repeated for a total of 6 hours credit. Prerequisite(s): MKTG 3301, Faculty Sponsorship, and permission of department chair. Field experiences fee: $75.

MKTG 4388. Marketing Problems. 1-6 Semester Credit Hours.
Study of selected problems in marketing. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. May be repeated with permission of department chair. Prerequisite(s): Senior standing and permission of department chair.

MKTG 4389. Special Topics in Marketing. 3 Semester Credit Hours.
Examine current topics in marketing. Explore required readings from current marketing publications and other related periodicals. May be repeated for credit when topics vary. Prerequisite(s): 9 hours of MKTG.

MKTG 5308. Marketing Management. 3 Semester Credit Hours.
Study the planning and coordination of marketing functions specifically related to product, pricing, promotion, and distribution strategies. Explore case analysis and participate in presentation of results. Prerequisite(s): permission of department chair.

MKTG 5309. Marketing Strategy. 3 Semester Credit Hours.
Develop the role of product, pricing, promotion, and channel and physical distribution in the development of a firm's integrated marketing program. Study cases used to evaluate and compose alternative courses of action.

MKTG 5310. Integrated Marketing Communications. 3 Semester Credit Hours.
Study concepts associated with Integrated Marketing Communications (IMCs). Learn an experiential learning approach, wherein students apply the concepts learned in the classroom to the creation of an IMC campaign for an organization.

MKTG 5312. Brand Management. 3 Semester Credit Hours.
Learn branding, what it is, how it works, how it acquires and maintains economic and non-economic value. Explore the origins, power, theory, meaning, relevance and practice of brands, brand development, brand metrics and brand management through an experiential learning approach. Prerequisite(s): MKTG 5308 or permission of department chair.

MKTG 5315. International Marketing. 3 Semester Credit Hours.
Study comparative marketing systems, including economic, social, technological, governmental, and political environments as they affect international marketing operations. Students will be required to complete an extensive research project in addition to other course requirements.

MKTG 5340. Marketing Seminar. 3 Semester Credit Hours.
Explore selected marketing topics of current importance to business marketing. May be repeated once for credit when topics vary.

MKTG 5356. Global Marketing Practices. 3 Semester Credit Hours.
Study of basic international business concepts, cultural literacy, and discipline specific content applied to practical experiences and activities in the foreign county. A study abroad at the student’s expense is required. Graduate students will be required to complete an extensive research project in addition to other course requirements. Student may complete a maximum of six hours of COBA sponsored study abroad toward degree completion. Prerequisite(s) Course: Admission into a COBA graduate program and permission of instructor. Field experiences fee $75.

MKTG 5388. Marketing Problems. 1-3 Semester Credit Hours.
(Credit-variable) Study selected problems in marketing. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): Permission of department chair.

Marriage and Family Therapy (MFT)

MFT 5090. Marriage and Family Therapy Theory Comprehensive Examination. 0 Semester Credit Hours.
Study and take the marriage and Family Therapy Theory examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

MFT 5301. Introduction of Marriage and Family Therapy Theory. 3 Semester Credit Hours.
Explore the historical development, theoretical and empirical foundations of systems theory including a survey of the major models of marriage, couple and family therapy.

MFT 5302. Advanced Marriage and Family Therapy Theory. 3 Semester Credit Hours.
Examine contemporary therapeutic directions and core competencies in the field of marriage and family therapy.

MFT 5307. Ethics in Marriage and Family Therapy. 3 Semester Credit Hours.
Analyze ethical issues related to the profession and practice of Marriage and Family Therapy including the AAMFT Code of Ethics, professional identity, professional organizations and state licensure.

MFT 5309. Assessment and Treatment of Diverse Families. 3 Semester Credit Hours.
Learn the impact of diversity, power, and privilege as related to culture, class, ethnicity, gender, sexual identity, and religion in families and the influence of context on couple and family treatment. Assess the use of genograms and treatment will focus on effectively helping multi-stressed families.

MFT 5313. The Person of the Therapist Identification. 3 Semester Credit Hours.
Study identification and the development of the person as the therapist, which serves to hone skills in therapy.

MFT 5350. Marriage and Family Therapy Research Methods. 3 Semester Credit Hours.
Learn research methodology, data analysis and the evaluation of research in couple and family therapy. Study how research informs, Marriage and Family Therapy common factors, and evidence based practice.
MFT 5351. Diverse Couples Assessment and Treatment. 3 Semester Credit Hours.
Analyze theoretical models and skills necessary for effective treatment of couple relationship problems. Seminar format will offer training towards certification in Gottman Method Couples Therapy, as well as introduction to Emotion Focused Couples Therapy. Prerequisite(s): MFT 5301.

MFT 5352. Gender and Sexuality in Marriage and Family Therapy. 3 Semester Credit Hours.
Learn male and female sexual anatomy, and address male and female sexual problems and their treatment. Special Emphasis on sex therapy, including cultural diversity, age, disability and illness, sexual abuse and rape.

MFT 5353. Medical Family Therapy. 3 Semester Credit Hours.
Examine the role of the marriage and family therapist in larger behavioral health systems. Learn collaborative manner addressing the unique psychosocial problems of individuals, couples, and families with acute and chronic medically related concerns. Study principles of individual diagnosis of mental illness as defined in the DSM and the implications for systematically based treatment.

MFT 5355. Treating Military Families. 3 Semester Credit Hours.
Explore unique characteristics of military families and provide an overview of assessment and treatment options for common clinical concerns presented by military families.

MFT 5356. Combat Related Trauma. 3 Semester Credit Hours.
Explore the unique characteristics and symptoms of grief, PTSD and combat related trauma. Study systemic treatment options in order to help clients meet their treatment goals.

MFT 5357. Common Factors in Marriage and Family Therapy. 3 Semester Credit Hours.
Explore therapeutic relationship, client factors and hope/expectancy, and their implications for clinical practice.

MFT 5358. Group Process in Marriage and Family Therapy. 3 Semester Credit Hours.
Study human relationships in groups, particularly in the group therapy context. Explore the application of various aspects of group dynamics including leadership, motivation, perception, power and decision making.

MFT 5371. Advanced Couples Interventions. 3 Semester Credit Hours.
Study advanced skills and interventions in Gottman Method Couple Therapy and Emotion Focused Couple Therapy. Prerequisite(s): MFT 5301, MFT 5302 and MFT 5351.

MFT 5372. Relationship Education. 3 Semester Credit Hours.
Study multiple approaches to providing relationship education directly to couples and provides students the opportunity to prepare presentations that could be delivered in real-world settings. Prerequisite(s): MFT 5301, MFT 5302 and MFT 5351.

MFT 5380. Addiction in Marriage and Family Therapy. 3 Semester Credit Hours.
Study systemic framework for understanding addictions and how they impact the family system. Prerequisite(s): MFT 5301 and MFT 5302.

MFT 5381. Adolescent in Family Therapy. 3 Semester Credit Hours.
Explore marriage and family therapy theories in relation to treatment of various disorders in adolescence. Study relational, systemic, and contextual factors that are considered in and behavioral health systems which treat adolescents. Prerequisite(s): MFT 5301, MFT 5302 and PSYC 5304.

MFT 5382. Delinquency in Marriage and Family Therapy. 3 Semester Credit Hours.
Study juvenile delinquency and adolescent substance use through systemic and contextual lens. Examine and compare MFT theories related to juvenile delinquency and adolescent substance use. Prerequisite(s): MFT 5301, MFT 5302, PSYC 5304 and MFT 5381.

MFT 5383. Marriage and Family Therapy Pre-Practicum. 3 Semester Credit Hours.
Study interviewing and training skills in the Marriage and Family Therapy program while preparing for field placement. Gain an understanding of Marriage and Family Therapists, how clients change and basic therapeutic strategies. Explore basic skills and tools necessary to become competent clinicians. Use role playing, videotapes, and video cameras as part of the learning process. Prerequisite(s): MFT 5301.

MFT 5391. Clinical Practicum I. 3 Semester Credit Hours.
Gain experience in marriage and family therapy by providing therapy services in the on-campus clinic and additional approved practicum sites while under supervision of the Marriage and Family Therapy faculty. Demonstrate appropriate levels of competency, assessed through direct supervision, video supervision, as well as case conference, maintaining appropriate documentation of clinical work, and meeting clinical hours requirement as described in the departmental handbook. Prerequisite(s): MFT 5301, MFT 5307 and MFT 5383. Field experience fee - $75.

MFT 5392. Clinical Practicum II. 3 Semester Credit Hours.
Gain experience in marriage and family therapy by providing therapy services in the on-campus clinic and additional approved practicum sites while under supervision of the Marriage and Family Therapy faculty. Demonstrate appropriate levels of competency, assessed through direct supervision, video supervision, as well as case conference, maintaining appropriate documentation of clinical work, and meeting clinical hours requirement as described in the departmental handbook. Prerequisite(s): MFT 5301, MFT 5307, MFT 5383 and MFT 5391. Field experience fee - $75.

MFT 5393. Clinical Practicum III. 3 Semester Credit Hours.
Gain experience in marriage and family therapy by providing therapy services in the on-campus clinic and additional approved practicum sites while under supervision of the Marriage and Family Therapy faculty. Demonstrate appropriate levels of competency, assessed through direct supervision, video supervision, as well as case conference, maintaining appropriate documentation of clinical work, and meeting clinical hours requirement as described in the departmental handbook. Prerequisite(s): MFT 5301, MFT 5307, MFT 5383, MFT 5391 and MFT 5392. Field experience fee - $75.

MFT 5394. Clinical Practicum IV. 3 Semester Credit Hours.
Gain experience in marriage and family therapy by providing therapy services in the on-campus clinic and additional approved practicum sites while under supervision of the Marriage and Family Therapy faculty. Demonstrate appropriate levels of competency, assessed through direct supervision, video supervision, as well as case conference, maintaining appropriate documentation of clinical work, and meeting clinical hours requirement as described in the departmental handbook. Prerequisite(s): MFT 5301, MFT 5307, MFT 5383, MFT 5391 and MFT 5392. Field experience fee - $75.
MFT 5397. Clinical Practicum V. 3 Semester Credit Hours.
Gain experience in marriage and family therapy by providing therapy services in the on-campus clinic and additional approved practicum sites while under supervision of the Marriage and Family Therapy faculty. Demonstrate appropriate levels of competency, assessed through direct supervision, video supervision, as well as case conference, maintaining appropriate documentation of clinical work, and meeting clinical hours requirement as described in the departmental handbook. Prerequisite(s): MFT 5301, MFT 5307, MFT 5383, MFT 5391, MFT 5392, MFT 5393, and MFT 5394. Field experience fee - $75.

Mathematics (MATH)

MATH 3300. Principles of Statistics. 3 Semester Credit Hours.
Data collection and analysis, elementary probability, discrete and continuous distributions, regression, correlation, estimation, and nonparametric methods. This course cannot be counted on a degree program for a mathematics major. Credit cannot be awarded for both MATH 3300 and MATH 3450. Prerequisite(s): MATH 1314.

MATH 3301. Number Theory. 3 Semester Credit Hours.
The study of congruence relations, rational integers, diophantine equations, quadratic reciprocity law, linear forms, integral domains, and related topics. Prerequisite(s): 6 hours of MATH including MATH 2413.

MATH 3302. Principles of Geometry. 3 Semester Credit Hours.
Euclidean geometry topics including logic, properties of parallel lines, triangles, quadrilaterals, circles, measurement, similarity, proportionality, and transformations. Technology will be incorporated where appropriate. Credit for both MATH 3302 and MATH 4302 will not be awarded. Prerequisite(s): MATH 2413.

MATH 3303. Concepts of Elementary Math I. 3 Semester Credit Hours.
Problem solving, sets, functions, logic, elementary number theory, concepts of properties of whole numbers, rational numbers, integers, and real numbers. Designed for those planning to teach in elementary school. Prerequisite(s): MATH 1314 and Junior standing.

MATH 3305. Concepts of Elementary Math II. 3 Semester Credit Hours.
Basic concepts in algebra, geometry, calculators and computers, metric system and measurement, and probability and statistics. Meets basic probability requirement for math majors, certifying teachers, and interdisciplinary studies. Prerequisite(s): MATH 3303.

MATH 3306. Differential Equations. 3 Semester Credit Hours.
Solutions and applications of homogeneous and nonhomogeneous ordinary differential equations, including first-order equations and higher-order linear equations. Qualitative properties of solutions are investigated, as well as exact methods for solving differential equations and initial value problems including series, Laplace transform, separation of variables, variation of parameters, and undetermined coefficients. Prerequisite(s): MATH 2414.

MATH 3309. Algebraic Function. 3 Semester Credit Hours.
Survey of elements from Algebra, Trigonometry, Geometry, Probability and Statistics, Finite Mathematics, and Calculus. The class places a strong emphasis on real-world applications and interpretation. Technology will be incorporated where appropriate.

MATH 3310. Discrete Mathematics. 3 Semester Credit Hours.
Introduces students to the techniques and tools of reasoning, decision making, and combinational problem solving. Topics include sets and logic, combinations, probability, relations and functions, Boolean properties, and graph theory. Prerequisite(s): MATH 1314 or MATH 3309.

MATH 3311. Probability & Statistics I. 3 Semester Credit Hours.
This course contains the fundamentals of probability theory and the basics of statistics. Topics include probability axioms, sampling distributions, descriptive statistics, finite random variables, infinite discrete random variables, continuous random variables, and the Central Limit Theorem. Prerequisite(s): MATH 2414 and MATH 3305 or an elementary probability course.

MATH 3315. Mathematics & Technology. 3 Semester Credit Hours.
Use of current technologies related to creating interactive presentations/documents for math as well as use of current technologies related to mathematical analysis and state certification exams.

MATH 3332. Linear Algebra. 3 Semester Credit Hours.
A study of the theory of real vector spaces and linear transformations. Topics include vector spaces, inner product, norm, distance, subspaces, spanning sets, linear dependence and independence, bases, dimension, linear systems, coordinates, linear transformations, kernel, image, isomorphisms, inverse linear transformations, matrix representations of linear transformations, similarity, direct sums, and canonical forms. Prerequisite(s): MATH 2414.

MATH 3335. Principles of Bio-Statistics. 3 Semester Credit Hours.
An introduction to statistical methods that are applied in biology and agriculture. Use of technology and hands-on spreadsheet assignments are required in this course. Prerequisite(s): MATH 2413.

MATH 3360. Numerical Analysis I. 3 Semester Credit Hours.
An introduction to numerical analysis. Topics are being selected from error analysis, solving algebraic equations, interpolation, numerical differentiation and integration, methods for solving systems of equations, approximation theory, and initial value problems of ordinary differential equations. Prerequisite(s): MATH 2414 and 3 hours of COSC.

MATH 3370. An Introduction to Linear Programming. 3 Semester Credit Hours.
The topics will include Convexity, Extreme Points, Linear Programming for efficiency of mixtures, transportation, and other economic models. Basic analysis of the simplex method and duality will be used to solve such problems and to determine the long-term usefulness of models.

MATH 3375. An Introduction to Partial Differential Equations. 3 Semester Credit Hours.
The topics will include advanced vector calculus, the heat and wave equations, separation of variables, Fourier Transforms, convolution, and geometric analysis. Prerequisite(s): MATH 2414 and PHYS 2425.

MATH 3433. Calculus III. 4 Semester Credit Hours.
The calculus of two dimensional vectors, parametric equations, cylindrical and spherical coordinates, multivariable differential calculus, directional derivatives and their applications, multiple integration, vector analysis, line and surface integrals, Green’s Theorem, Stokes’ Theorem. Use of computer technology and laboratory assignments will be required in this course. Prerequisite(s): MATH 2414.

MATH 4302. College Geometry. 3 Semester Credit Hours.
Euclidean geometry topics including logic, properties of parallel lines, triangles, quadrilaterals, circles, measurement, similarity, proportionality, and transformations. Additional topics include projective and non-Euclidean geometry. Technology is incorporated where appropriate. Substitutes for MATH 3302 for 4-8 certifying students. Prerequisite(s): MATH 2413.
MATH 4304. Survey of Mathematical Ideas. 3 Semester Credit Hours.
This course is designed to bring together and supplement the technical material of other mathematics courses to communicate mathematics effectively. Topics in algebra, trigonometry, geometry, statistics, and discrete mathematics will be explored. Technology will be used where appropriate. Prerequisite(s): MATH 2413 and MATH 3302 or MATH 4302 or concurrent registration.

MATH 4304L. Survey of Mathematical Ideas Lab. 1 Semester Credit Hour.
This lab is required for all math majors and must be taken with MATH 4304. This lab addresses and prepares students for content on the state certification exam and will reflect current state requirements for the mathematics state examinations for grade levels 7-12. All other majors requiring MATH 4304 will continue to take base course, but will not take this lab. Prerequisites: MATH 2413 and MATH 3302 or MATH 4302 or concurrent registration and Senior Standing.

MATH 4305. Concepts of Elem Math III. 3 Semester Credit Hours.
This course is designed to develop and extend the mathematical content knowledge of prospective middle school teachers. Topics include the development of algebraic reasoning through the use of patterns, relations, and functions with an emphasis on multiple representations (numerical, graphical, verbal, and/or symbolic). Technology is being integrated into the curriculum where appropriate. Prerequisite(s): MATH 3305 for EC-6 and 4-8 Mathematics majors; MATH 2413 for all other students.

MATH 4307. Complex Analysis. 3 Semester Credit Hours.
A first course in complex analysis which involves learning the arithmetic/geometry of the complex number field; calculus of functions of a complex variable, analytic and harmonic functions; residue theory. The course also includes an introduction to conformal mappings and boundary value problems.

MATH 4309. Advanced Analysis I. 3 Semester Credit Hours.
(WI) A study of the theory of the calculus of functions of a single variable. Topics include the topology of the real line, functions, sequences and their limits, continuity, differentiation, and integration. Prerequisite(s): MATH 2414.

MATH 4311. Probability & Statistics II. 3 Semester Credit Hours.
Continuation of MATH 3311 with focus on statistical inference. Topics include the Central Limit Theorem, sampling distributions, confidence intervals, hypothesis testing, inferences based on two samples, and an introduction to ANOVA. Prerequisite(s): MATH 3311.

MATH 4320. Mathematical Modeling. 3 Semester Credit Hours.
An advanced introduction to models related to applied sciences. Topics include applications of linear programming, scheduling, graph theory, and game theory. Prerequisite(s): MATH 2414 and 6 hours of advanced mathematics or pre-calculus.

MATH 4332. Abstract Algebra. 3 Semester Credit Hours.
An introduction to abstract algebraic structures, including groups, rings, ideals, polynomial rings, and applications. Prerequisite(s): MATH 3332.

MATH 4380. Undergraduate Research Project. 1-3 Semester Credit Hours.
Methods of research in the mathematical sciences or in mathematics education through a research project directed by a departmental faculty member. The student is required to prepare a final report and presentation. No credit is earned until the student has enrolled in at least 3 credit hours, and the final report and presentation are certified as completed by the faculty member directing the project, at which time the student will receive 3 credit hours. Prerequisite(s): Mathematics major, senior standing, and 24 semester hours of MATH courses and permission of department chair.

MATH 4389. Special Topics in Math. 3 Semester Credit Hours.
Topics are being selected from areas of mathematics suitable for upper level study. This course may be repeated once with permission of department chair, as topics change. Prerequisite(s): MATH 2414 and 6 hours of advanced MATH.

MATH 4488. Mathematical Problems. 1-4 Semester Credit Hours.
Special problems in mathematics. Not covered by any course in the curriculum. Work may be either theory or laboratory. May be repeated with permission of department chair for additional credit when fewer than four credits have been earned. Prerequisite(s): Permission of department chair.

MATH 5090. Comprehensive Examination. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

MATH 5198. Thesis. 1-6 Semester Credit Hours.
Scheduled when the student’s committee chair determines the student is ready to begin the thesis. No credit is earned until the student has enrolled in at least 6 credit hours of thesis and the thesis is certified as completed by the student’s committee, at which time the student will be awarded 6 credit hours of thesis.

MATH 5301. Nonparametric Statistics. 3 Semester Credit Hours.
Introduction to nonparametric statistics. Topics will include hypothesis testing, contingency tables, rank tests, and goodness-of-fit tests. Prerequisite(s): MATH 3300 or MATH 3311 or MATH 3450 or MATH 5305.

MATH 5302. Financial Mathematics I. 3 Semester Credit Hours.
A thorough review of the mathematics related to calculating present and accumulated values for various streams of cash flows, with applications to: reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and valuing contingent cash flows. This class (together with Financial Mathematics 2) is intended to provide sufficient background for the student to succeed in passing the Actuarial FM exam.

MATH 5305. Probability & Statistics. 3 Semester Credit Hours.
Topics will be selected from: distributions and stochastic processes, parametric and nonparametric statistics, and time series analysis. Prerequisite(s): MATH 3311.

MATH 5306. Dynamical Systems. 3 Semester Credit Hours.
Advanced study of dynamical systems. Topics will be selected from discrete and continuous dynamical systems, sensitivity analysis, models of the physical, life, and social sciences, and bifurcation analysis. Prerequisite(s): MATH 3306 and MATH 3332.

MATH 5308. Abstract Algebra. 3 Semester Credit Hours.
Topics will be selected from: groups, homomorphism, isomorphism, direct products and sums, invariant properties, rings, and fields. Prerequisite(s): MATH 4332.
MATH 5309. Complex Variables. 3 Semester Credit Hours.
An introduction to complex analysis. Topics will be selected from elementary operations and analytic functions, curves and integrals, power series, Cauchy's theorem, zeroes and singularities of analytic functions, Laurent series, maximum principle, analytic continuation, harmonic functions, conformal mapping and transformations. Prerequisite(s): MATH 3343.

MATH 5311. Operations Research. 3 Semester Credit Hours.
This course examines the theoretical support and applications of the simplex algorithm for linear programming and for dynamic programming. Transportation and scheduling problems are among the applications to be emphasized. Prerequisite(s): MATH 3332.

MATH 5312. Design of Experiments. 3 Semester Credit Hours.
Students will learn about planning and conducting an experiment. Data analysis using appropriate software is covered. Prerequisite(s): MATH 5305 or permission of department chair.

MATH 5315. Operations Research II. 3 Semester Credit Hours.
Selected topics in Operations Research, chosen from among the following: Search, Selection and Optimization Techniques; System Modeling; Network Analysis; Inventory and Production Modeling; Sequencing and Scheduling; Decision Theory; Queuing Theory; Simulation and Monte Carlo Techniques; and Markov Chains.

MATH 5320. Real Analysis. 3 Semester Credit Hours.
Topics will be chosen from: sets and operators; cardinal numbers and ordinal types; metric spaces and Lebesgue measure; metric properties of sets; differentation and integration. Prerequisite(s): MATH 4309.

MATH 5325. Real Analysis II. 3 Semester Credit Hours.
Completeness properties of the real number system. Topology of the real line. Introduction to Lebesgue measure and integral. Convergence of sequences.

MATH 5330. Mathematical Modeling. 3 Semester Credit Hours.
An advanced course in mathematical modeling. Topics will be selected from advanced topics in number theory, topology, and asymptotic analysis. Prerequisite(s): MATH 3306 and MATH 3332.

MATH 5335. Statistics II. 3 Semester Credit Hours.
This is an advanced course in probability distributions, joining distributions, covariance and problems related to the actuary field. Prerequisite(s): MATH 5305.

MATH 5340. Topology. 3 Semester Credit Hours.
An introduction to point set topology. Topics will include open and closed sets, interior, closure, boundary, neighborhoods, continuous functions, separation and subspaces. Additional topics will be selected from compactness, connectedness and continua. Prerequisite(s): MATH 4309.

MATH 5345. Financial Mathematics II. 3 Semester Credit Hours.
A mathematical introduction to financial instruments, including derivatives, and the concept of no-arbitrage as it relates to financial mathematics. This class (together with Financial Mathematics 1) is intended to provide sufficient background for the student to succeed in passing the Actuarial FM exam.

MATH 5350. Applied Linear Algebra. 3 Semester Credit Hours.
An advanced course in linear algebra. Topics to be selected from linear spaces and operators, canonical forms, quadratic forms and optimization, computation and condition, and compatible systems. Prerequisite(s): MATH 3332.

MATH 5360. Numerical Analysis. 3 Semester Credit Hours.
An advanced study of numerical analysis. Topics will be selected from linear systems, approximation theory, numerical differential and integral equations, integration theory. Prerequisite(s): MATH 4309 and MATH 3360 or 6 hours of COSC.

MATH 5375. Statistical Reasoning and Probability. 3 Semester Credit Hours.
Topics in applied statistics including ANOVA, experimental design, single and multiple linear regression, hypothesis testing of linear models, forecast errors and confidence intervals. Prerequisite(s): MATH 3311 or equivalent.

MATH 5376. Topics in Secondary Math. 3 Semester Credit Hours.
This course applies the standards of the National Council of Teachers of Mathematics to the curriculum of secondary mathematics. It explores techniques to implement the standards through the use of manipulatives, graphing handhelds, and computer technology. Prerequisite(s): 24 hours of MATH, including MATH 2413.

MATH 5378. Technology-Aided Mathematics. 3 Semester Credit Hours.
Students will engage in mathematical problem-solving using technological tools. Technologies may include graphing handhelds, data collection devices, computer software packages, and internet resources. This course may be repeated for credit as the topic changes. Prerequisite(s): 24 hours of MATH, including MATH 120.

MATH 5379. Topics In Mathematics Theory. 3 Semester Credit Hours.
An examination of topics in mathematical theory appropriate for secondary mathematics educators. Topics will be selected from geometry and topology, number theory, modern algebra, and library research in mathematics. This course may be repeated for credit as the topic changes. Prerequisite(s): Permission of department chair.

MATH 5380. Selected Topics in Mathematics. 3 Semester Credit Hours.
An examination of topics in applied mathematics. Topics for study will be selected from advanced mathematical modeling, advanced numerical techniques, practical optimizations, calculus of variations, dynamic programming, integral equations, optimal control, perturbation methods, and library research in applied mathematics. This course may be repeated for credit as the topic changes. Prerequisite(s): Permission of department chair.

MATH 5381. Research Analysis. 1 Semester Credit Hour.
An overview of the components of research in the main areas of mathematics. These areas will include pure mathematics and statistics, applied mathematics and statistics, and mathematics education. The course will culminate with a study of what is a proper literary review and how to submit an article for publication. Prerequisite(s): Graduate standing in the mathematics department or permission of department chair.

MATH 5389. Advanced Special Problems. 1-3 Semester Credit Hours.
Special problems in mathematics. Work may be either theory or laboratory. May be repeated with permission of the department chair for additional credit when fewer than four credits have been earned. Prerequisite(s): Permission of department chair.
Military Science (MILS)

MILS 3301. Training Mgmt & Warfight Funct. 3 Semester Credit Hours.
This course is designed to enable a student with no prior military or cadet experience to quickly learn essential cadet knowledge and skills. The course introduces the principles of physical fitness, healthy lifestyles and the Leader Development Program that will be used to evaluate leadership performance and provides cadets with developmental feedback, used throughout the year. Cadets learn how to plan and conduct individual and small unit training, as well as basic tactical principles. The course conducts a four-week study of reasoning skills and the military-specified application of these skills in the form of the Army’s troop leading procedures. The final four weeks examines officership. This course serves as the first and primary course of the ROTC Advanced Courses.

MILS 3302. Leadership in Small Unit Ops. 3 Semester Credit Hours.
This course is designed to continue the development of cadets as leaders by presenting instructions in the areas of leadership, interpersonal communications, values and ethics. The leadership module expands on key leadership concepts and provides feedback for cadet leadership self-development efforts. Interpersonal communications lessons address general communication theory as well as written and spoken communication skills. The highlight of the communication module is the opportunity for cadets to present an information briefing and receive feedback from both instructor and fellow students.

MILS 4301. The Army Officer. 3 Semester Credit Hours.
This course concentrates on Army operations and training management, communications and leadership skills and supports the beginning of the final transition from cadet to lieutenant. The course enables cadets to attain knowledge and proficiency in several critical areas needed to operate effectively as an Army officer. These subjects have the added benefit of preparing cadets to lead the cadet battalion throughout the remainder of the year. At the end of this semester, cadets possess the fundamental skills, attributes, and abilities required to operate as competent leaders in the cadet battalion.

MILS 4302. Company Grade Leadership. 3 Semester Credit Hours.
The final semester course of the M S IV year trains cadets on Military Law, task organizations, maintenance, supply management, and physical training. Cadets conduct a Capstone Practical Exercise, assuming leadership roles as a lieutenant entering a new unit. The course is designed to prepare transition and groom senior cadets to become Army Officers.

MILS 4305. Intro to Cross Cultural Learn. 3 Semester Credit Hours.
The course enables students to contribute to a local society beyond the University setting. This course is a series of cultural immersion trips sponsored by the US Army Cadet Command over a 29 day period, usually during the summer semester. Prerequisite(s): ROTC cadets accepted into the ROTC program, MILS 3301 and MILS 3302.

MILS 4389. Special Topics. 1-6 Semester Credit Hours.
A course open to Military Science students. Topics vary according to student need. May be repeated for a maximum of 6 hours. Open to students of junior or senior standing. Prerequisite(s): Permission of department chair.

Music (MUSI)

MUSI 3129. Intermediate & Advanced Band Repertoire. 1 Semester Credit Hour.
This course focuses increasing knowledge and awareness of the importance of selecting appropriate concert band literature for the contest and concert stage. In addition there will be an emphasis on improving the skills needed to plan, conduct and rehearse instrumental ensembles of a variety of levels.

MUSI 3130. Intermediate & Advanced Orchestra Repertoire. 1 Semester Credit Hour.
This course focuses increasing knowledge and awareness of the importance of selecting appropriate concert orchestra literature for the contest and concert stage. In addition there will be an emphasis on improving the skills needed to plan, conduct and rehearse instrumental ensembles of a variety of levels.

MUSI 3133. Woodwind Class. 1 Semester Credit Hour.
This course is designed to facilitate the development of skills, techniques, understandings, and professional dispositions which are necessary for teaching others to play woodwind instruments.

MUSI 3134. Brass Class. 1 Semester Credit Hour.
This course focuses on the basics of musical performance with special attention to rhythm, tone quality, range, musical phrasing, intonation and style, from different stylistic periods, in a variety of key signatures and meter signatures.

MUSI 3135. Vocal Class (Instrumental Majors). 1 Semester Credit Hour.
This course serves an introduction to singing for instrumentalists who need a pedagogical knowledge for future work with singers or choirs. Instruction will include work on anatomy of the voice, breathing, posture, resonance, diction, repertoire and vocal health. In addition to accessing voices for choral and/or private lesson for singing students.

MUSI 3137. Percussion. 1 Semester Credit Hour.
This course is designed to facilitate the development of skills, techniques, understandings, and professional dispositions which are necessary for choral leadership. This course is designed to prepare prospective choral leaders, public school or secular group, in both musical and non-musical aspects of being a choral teacher.

MUSI 3138. String Class. 1 Semester Credit Hour.
This course is designed to facilitate the development of skills, techniques, understandings, and professional dispositions which are necessary for teaching others to play stringed instruments.

MUSI 3161. Diction for Singers. 1 Semester Credit Hour.
This class will study the proper pronunciations for lyrics of English, Italian, German, and French musical literature. The student is expected to effectively apply these guidelines in their own speech and singing.

MUSI 3162. Opera Workshop. 1 Semester Credit Hour.
This focuses on the organization and staging of standard operas and operettas. May be repeated. Fall (opera), spring (musical).

MUSI 3259. Choral Repertoire. 2 Semester Credit Hours.
This course focuses on the analysis of tonality, harmony and form in European music of the 18th and 19th centuries. Includes aural recognition of forms.

MUSI 3263. Form & Analysis. 2 Semester Credit Hours.
Analysis of tonality, harmony and form in European music of the 18th and 19th centuries. Includes aural recognition of forms. Prerequisite(s): MUSI 2115, MUSI 2117 and MUSI 2312.
MUSI 3264. Orchestration. 2 Semester Credit Hours.
This course covers the fundamentals of instrumentation and arranging music for instruments and vocalists in a variety of musical performance settings.

MUSI 3313. Music Appreciation. 3 Semester Credit Hours.
This course provides opportunities to become familiar with the basic elements of music. Emphasis is on learning to listen to music and on the role it plays within the wider contexts of history and society. Listening materials are drawn from a variety of sources: classical music, non-Western music, American popular music (particularly jazz, country, and rock), and the American folk tradition.

MUSI 3324. Popular Music in America. 3 Semester Credit Hours.
An introductory study of popular music in the U.S., emphasizing development and application of analytic skills oriented toward the popular arts. Concert attendance and listening requirements.

MUSI 3343. Computer Assisted Electronic Music. 3 Semester Credit Hours.
This course focuses on the use of microcomputers in generation and control of electronic music. Study of one or more commonly available microcomputer programs for MIDI application. Includes technology for music teachers.

MUSI 4095. Senior Recital. 0 Semester Credit Hours.
Senior Recital is a course in which the student prepares for and performs in their senior recital.

MUSI 4105. Beginning Conducting. 1 Semester Credit Hour.
This class is an introduction to basic conducting skills with an emphasis on the art and study of conducting, baton technique, left hand technique, non-verbal communication, leadership, conducting terminology, transpositions and score reading.

MUSI 4207. Advanced Conducting. 2 Semester Credit Hours.
This class is focused on advanced conducting skills.

MUSI 4312. Vocal Pedagogy. 3 Semester Credit Hours.
This course focuses on the physical aspects of the vocal mechanism, anatomy, breathing, resonance, phonation, articulation and various techniques used in identifying vocal problems and pedagogical issues for a singer as a choral director and voice teacher.

MUSI 4326. Elementary Music Methods. 3 Semester Credit Hours.
This course is designed to facilitate the development of skills, techniques, understandings, and professional dispositions which are necessary for elementary music educators. This course is designed to prepare prospective elementary music educators, public school or secular group, in both musical and non-musical aspects of being a music educator.

MUSI 4327. Instrumental & Marching Methods. 3 Semester Credit Hours.
This course focuses on teaching and procedural methods required to produce a quality marching band and instrumental program.

MUSI 4328. Sec Orchestra & Guitar Methods. 3 Semester Credit Hours.
This course focuses on teaching and procedural methods required to produce a quality orchestra program.

MUSI 4388. Problems. 1-6 Semester Credit Hours.
A directed study of selected problems in music.

Nursing (NURS)

NURS 3300. Professional Role Transitions. 3 Semester Credit Hours.
(WI) Apply critical thinking skills to examine personal and professional growth, the nurse’s role in professional practice, and philosophies of professional nursing. Nursing theories, the foundations of professional nursing practice, are examined. The concepts of nursing informatics are explored as they interface with ethics, cultural competency, and health promotion concepts. These explorations are accomplished utilizing communication technologies such as, learning management systems, the Internet, library electronic databases, and online seminars. Information technology resources are employed for students to demonstrate skills in electronic communications that are essential to professional nursing practice and that require basic competencies in nursing informatics.

NURS 3304. Nursing Research. 3 Semester Credit Hours.
(WI) This course is a study of basic research methodologies and an examination of the professional nurse’s role in evidence-based practice. Students employ high level critical thinking and informatics skills to explore, identify, and critically appraise the credibility of Internet sources and library electronic databases to gather relevant evidence across professions that answer questions about nursing practice. Through this examination, students increase their awareness of the impact of culture and ethics on the research process and evidence-based practice.

NURS 3307. Health Assessment. 3 Semester Credit Hours.
In this course, the concepts and principles underlying the assessment of the health status of culturally diverse individuals are presented. Emphasis is placed on reviewing and renewing cognitive, affective, and psychomotor skills to obtain health histories and discover physical and psychosocial findings in the well person. Emphasis is placed on health assessment as a systematic and organized examination that will provide accurate data to form valid nursing diagnoses and plans of care. Practicum experiences allow students to enhance comprehensive health assessment and analysis skills. Prerequisite(s): NURS 3300.

NURS 3317. Pathophysiology for the Registered Nurse. 3 Semester Credit Hours.
The focus of this course is to understand the pathophysiological basis for disease processes in adults and children. Central concepts will address symptoms, treatment, and prognosis. The major direction of this course will be on clinical application of findings that underlie pathogenesis and provide a basis for evidence-based practice. The course is specifically designed to meet the needs of nursing students.

NURS 3330. Nursing Care of Older Adults. 3 Semester Credit Hours.
In this course the aging process will be examined with a focus on risk reduction and disease prevention in the older adult. The concept of healthy aging will be explored. Strategies for health promotion, restoration, and maintenance of the older adult will be examined. Expected professional nurse competencies in providing and directing culturally sensitive care of the older adult across the wellness/illness continuum will be emphasized. Prerequisite(s): NURS 3300.

NURS 4212. Professional Issues for the Registered Nurse. 2 Semester Credit Hours.
This course provides opportunities for analysis of elements that reflect the progressive development of the role of the professional nurse. It formalizes a framework that integrates the issues of political action, socio-legal concerns, multiculturalism, and ethical models into nursing practice through the debate process. Prerequisite(s): NURS 3300.
NURS 4405. Care of Individuals and Families. 4 Semester Credit Hours.
This course emphasizes the importance of the professional nurse’s engagement in ethical and evidence-based practice. Students examine nursing case management concepts as they apply critical thinking skills to integrate the concepts of pathophysiology, pharmacology, psychosocial behavior, and cultural competence to coordinate quality and safe care in a variety of settings. Students experience the nurse educator role as they employ teaching and learning principles and nursing informatics to initiate interventions with individuals and families that highlight health promotion activities. Practicum experiences are individualized. Prerequisite(s): NURS 3300.

NURS 4410. Leadership and Management for the Registered Nurse. 4 Semester Credit Hours.
In this course, theories and principles of human behavior in organizations are examined, including an exploration of leadership roles in professional nursing practice. Students analyze concepts that reflect the progressive development of the nurse leader who applies critical thinking and information technology skills to evidence-based practice. The role of the nurse leader as an inter-professional team member is also examined. The importance of the nurse leader as a role model for continued professional growth through lifelong learning is emphasized. Issues related to political action, socio-legal concerns, cultural diversity, and ethics in professional nursing practice are explored with an emphasis on the advocacy role of the nurse. Practicum experiences are individualized. Prerequisite(s): NURS 3300.

NURS 4506. Community Health. 5 Semester Credit Hours.
In this course, students are introduced to public/community health nursing practice and the role of systems in the care of culturally diverse populations. The role of the professional nurse as part of an inter-professional team in health promotion, disease prevention, and management of chronic health problems in community settings is explored. Students apply critical thinking and information technology skills to develop and implement evidence-based projects that positively impact the quality of life of identified populations. Practicum experiences are individualized. Prerequisite(s): NURS 3300.

Physics (PHYS)

PHYS 3331. Mechanics. 3 Semester Credit Hours.
Particle dynamics in one, two, and three dimensions; conservation laws; dynamics of a system of particles; motion of rigid bodies; central force problems. Prerequisite(s): MATH 3306 and MATH 3433; or concurrent registration.

PHYS 3332. Electromagnetic Field Theory. 3 Semester Credit Hours.
Electrostatics; Laplace’s equation; the theory of dielectrics; magnetostatic fields; electromagnetic induction; magnetic fields of currents; Maxwell’s equations. Prerequisite(s): PHYS 2426 and MATH 3306 or concurrent registration; MATH 3433 or concurrent registration.

PHYS 3333. Thermodynamics. 3 Semester Credit Hours.
Concept of temperature, equations of state; the first and the second law of thermodynamics; entropy; change of phase; the thermodynamics functions. Prerequisite(s): PHYS 2426; MATH 3433 or concurrent registration.

PHYS 3334. Modern Physics. 3 Semester Credit Hours.
Foundations of the atomic theory of matter; kinetic theory; elementary particles; radiations; atomic model; atomic structure; atomic spectra and energy levels; quantum theory of radiation; x-rays; special theory of relativity. Prerequisite(s): PHYS 2426 and MATH 3306, or MATH 3306 or concurrent registration.

PHYS 3350. Medical Physics I. 3 Semester Credit Hours.
The course will provide an introduction to the physics of human physiological processes as well as the physics used in the design of medical diagnostic tools and techniques. Prerequisite(s): PHYS 2426 or consent of the instructor.

PHYS 4170. Undergraduate Research Project. 1-2 Semester Credit Hours.
Methods of research in physics or in physics education through a research project directed by a departmental faculty member. The student is required to prepare a final report and presentation. No credit is earned until the student has enrolled in at least 2 credit hours and the final report and presentation are certified as completed by the faculty member directing the project, at which time the student will receive 2 credit hours. Prerequisite(s): junior standing and 14 semester hours of PHYS.

PHYS 4330. Mathematical Methods of Phys. 3 Semester Credit Hours.
Mathematical techniques from the following areas: infinite series; integral transforming; applications of complex variables; vectors, matrices, and tensors; special functions; partial differential equations; Green's functions; perturbation theory; integral equations; calculus of variations; and groups and group representatives. Prerequisite(s): MATH 3306 and MATH 3433.

PHYS 4335. Quantum Physics. 3 Semester Credit Hours.
The Schrodinger equation; one dimensional systems; the Heisenberg uncertainty principle; magnetic moments and angular momentum; two and three dimensional systems; approximation methods; scattering theory. Prerequisite(s): PHYS 3334 and MATH 3306.

Political Science (POLI)

POLI 3301. Political Economy of Globalization. 3 Semester Credit Hours.
Examine the demographic, technological, and economic forces that have come together to shape a more culturally, economically, and politically integrated world, and the hard political and economic choices that must be made in competitive environments.

POLI 3302. Elections and Political Parties. 3 Semester Credit Hours.
Study electoral process in American national, state, and local political systems. Special emphasis on the evolution of the structure and functions of political parties, and other participants in the electoral process.

POLI 3303. Comparative State and Local Government. 3 Semester Credit Hours.
Explore variations and similarities in the practice of politics and in the administration of government in the states. Special Emphasis on local government and state-national relations. Prerequisite(s): GOVT 2305, GOVT 2306.

POLI 3304. The Executive Branch. 3 Semester Credit Hours.
Examine the organization of executive power in the United States national, state, and local government systems. Evolution of the structure and functions of the Presidency, national, state and local bureaucracies, the role of parties, legislatures, courts, and interest groups are analyzed as participants in the executive process. Prerequisite(s): GOVT 2305, GOVT 2306.

POLI 3305. Legislation. 3 Semester Credit Hours.
Examine the legislative process in American national, state, and local political systems. Analyze the evolution of the structure and functions of the Congress and the state legislatures, and the role of executives, courts, parties, interest groups, and other participants in the legislative process. Prerequisite(s): GOVT 2305, GOVT 2306.
POLI 3306. Political Economy. 3 Semester Credit Hours.
Explore the historical, philosophical, and theoretical relationships between the state and the economy. Prerequisite(s): None.

POLI 3307. Public Administration. 3 Semester Credit Hours.
Examine the concepts and practices of American public administration. Prerequisite(s): GOVT 2305, GOVT 2306.

POLI 3308. International Politics. 3 Semester Credit Hours.
(WI) Explore the development of the national state system, the problems and issues which have arisen, international agencies created to cope with these problems, and the principles of international conduct.

POLI 3310. Environmental Politics. 3 Semester Credit Hours.
Explore the politics of environmental protection in America. Special emphasis on domestic environmental policy and the affects of federalism in shaping and implementing environmental policies. Prerequisite(s): GOVT 2305, GOVT 2306.

POLI 3320. Terrorism and Political Violence. 3 Semester Credit Hours.
Examine the causes of terrorism and other forms of political violence, with special emphasis on measures of prevention and counter-terrorism.

POLI 3330. Understanding Social Science Research. 3 Semester Credit Hours.
(WI) Develop skills in political science research, with emphasis on hypothesis testing, measurement, formal modeling, and statistical analysis. Statistical concepts covered include central tendencies and statistical distributions, regression, and maximum likelihood estimation.

POLI 3350. Politics and Propaganda in Film. 3 Semester Credit Hours.
(WI) This course explores the political uses of film, with a particular focus on the uses of the documentary style to influence public opinion. Topics covered include government-sponsored and privately-produced propaganda, the role of film in broader propaganda or political campaigns, and the ethical uses of film in the context of politics.

POLI 3355. Religion and Politics. 3 Semester Credit Hours.
Explore the historic development of church-state relations in the United States, the evolution of church-state constitutional law, and the impact of this history and law on the current political environment. Special emphasis on the role played by religion in political campaigns, local politics, and interest group activities.

POLI 4301. Constitutional Law I. 3 Semester Credit Hours.
Examine the origin and growth of the constitutional aspects of national power as shown by leading U.S. Supreme Court decisions on commerce, federalism, jurisdiction, money, monopolies, treaties, and war. Prerequisite(s): GOVT 2305, GOVT 2306, HIST 1301, HIST 1302.

POLI 4302. Constitutional Law II. 3 Semester Credit Hours.
Examine the origin and development of constitutional prohibitions as shown by leading US Supreme Court decisions on civil rights, contracts, due process, economic regulation, eminent domain, labor relations, obscenity, political utterance, and religion. Prerequisite(s): POLI 4301.

POLI 4305. Comparative Government and Politics. 3 Semester Credit Hours.
Examine the relationship of government and politics of the major world powers, including topics from Asia, Africa, Europe, and the Americas.

POLI 4310. Environmental Policy. 3 Semester Credit Hours.
Examine the politics of environmental protection worldwide. Special emphasis on international environmental policy and agreements and treaties made by nations to shape and implement environmental policy. Prerequisite(s): GOVT 2305, GOVT 2306.

POLI 4315. Foreign Policy. 3 Semester Credit Hours.
Study America's role in the modern world. Particular emphasis is placed on the policy makers, and on external and internal factors which affect decision making.

POLI 4316. Conflict Studies. 3 Semester Credit Hours.
Study the causes of international and civil conflict, historical changes in the nature of war, and predictions of future conflicts.

POLI 4317. Peace Studies. 3 Semester Credit Hours.
Explore the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

POLI 4320. Weapons of Mass Destruction. 3 Semester Credit Hours.
Examine the physical and political effects of chemical, biological, and nuclear weapons, with emphasis on issues of deterrence and arms control.

POLI 4321. Civil Wars and Military Intervention. 3 Semester Credit Hours.
Examine the causes, characteristics, and effects of civil wars, with particular emphasis on preventing the resumption of warfare after peace agreements, and the effect of military intervention on the outcome and recurrence of civil war.

POLI 4340. Political Ethics. 3 Semester Credit Hours.
Compare theories of political ethics from ancient times to the present. Special attention is given to the topics of justice and virtue.

POLI 4341. Freedom and Authority. 3 Semester Credit Hours.
Examine the legitimacy of government and the sources of individual rights. Special attention is given to the idea of a "social contract," restraints on government, arguments for and against restricting liberty, and who should be permitted to participate in politics.

POLI 4350. Government Seminar. 3 Semester Credit Hours.
Explore topics in government with independent reading, research, discussion, and writing, under personal direction of instructor. May be taken more than once for credit. Prerequisite(s): Senior standing, 18 hours of POLI, or permission of Program Coordinator.

POLI 4380. Administration of Justice. 3 Semester Credit Hours.
Analyze the structure, function, and interrelationship of the components of the criminal justice system at the federal, state, and local levels, including the history and philosophy of criminal justice in a democratic society.

POLI 4384. Political Science Internship. 3,6 Semester Credit Hours.
Apply and integrate academic study with professional experience in Political Science. Field projects include direction of a political campaign, internship in a city or county administrative office, or in a not-for-profit organization for analyzing or carrying out governmental policy. Minimum of 160 hours of work required for 3 hours of credit. Prerequisite(s): 2.5 overall grade point average, senior standing, and permission of Program Coordinator. Field experience fee $75.

POLI 4388. Political Science Problems. 1-3 Semester Credit Hours.
Explore problems in Political Science with independent reading, research and discussion. Entry into this course will be arranged with the political science advisor and instructor.

POLI 4395. Political Science Capstone. 3 Semester Credit Hours.
(WI) Integrate and use fundamental concepts learned in previous political science courses to research and analyze real-world political phenomena and problems. Students present oral and written reports on their research, supplemented by appropriate internet and multimedia materials, as well as portfolios documenting their research.
POLI 5090. Political Science Comprehensive Examination. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis students do not take this examination.

POLI 5300. Political Science Research Methods. 3 Semester Credit Hours.
Learn the elements of research design and statistical analysis. Topics covered include hypothesis-testing, reliability and validity, measures of association, linear regression, and maximum likelihood estimation.

POLI 5301. Political Decision-Making. 3 Semester Credit Hours.
Learn formal models of political decision-making, including game theory, spatial voting models, decision theory, and collective social choice.

POLI 5302. Constitutional Law. 3 Semester Credit Hours.
Predict the resolution of constitutional controversies by examining theories of constitutional interpretation and judicial decision-making in the United States.

POLI 5303. Origins of Conservative Political Thought. 3 Semester Credit Hours.
This course covers the philosophical origins of conservative political thought, focusing on its traditional, statist, and libertarian variants.

POLI 5304. Political Liberalism and its Critics. 3 Semester Credit Hours.
Explore the philosophical assumptions and implications of liberalism, and examine its internal consistency and the extent to which it withstands challenges from competing systems of political thought.

POLI 5305. American Politics. 3 Semester Credit Hours.
Examine basic approaches to the study of American Politics, including major works and recent research on this topic.

POLI 5306. Comparative Politics. 3 Semester Credit Hours.
Examine basic approaches, major works, and recent research on the study of comparative politics and government.

POLI 5307. International Relations. 3 Semester Credit Hours.
Examine basic approaches to the study of the politics of international relations, including major works and recent research on the topic.

POLI 5315. Foreign Policy. 3 Semester Credit Hours.
Learn foreign policy decision-making. Understand how decisions are made, their consequences, and their ethical implications, with special emphasis on the foreign policy decisions of the United States.

POLI 5316. Conflict Studies. 3 Semester Credit Hours.
Study the causes of international and civil conflict, historical changes in the nature of war, and predictions of future armed conflicts.

POLI 5317. Peace Studies. 3 Semester Credit Hours.
Study the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

POLI 5318. Terrorism Studies. 3 Semester Credit Hours.
Study the causes of terrorism and other forms of political violence, with particular emphasis on measures of prevention and counter-terrorism.

POLI 5321. Civil Wars. 3 Semester Credit Hours.
Examine the onset, evolution, and termination of civil wars. Particular emphasis is given to the role that outside actors play in civil wars, including foreign military intervention.

POLI 5330. Theories of Public Management. 3 Semester Credit Hours.
Apply theories of public administration, and study the problems of administrative management in public organizations, and the use of law for administrative decision-making.

POLI 5350. Political Forecasting. 3 Semester Credit Hours.
Research and analyze real-world political phenomena and problems. Learn and use different approaches to political forecasting, with a focus on formal models of politics.

POLI 5352. General Wars in World History. 3 Semester Credit Hours.
Assess theories of war between major powers. Attention is given to structural, economic, and military factors that contribute to world wars, as well as the prospects for a Third World War.

POLI 5355. International Relations of the Middle East. 3 Semester Credit Hours.
Examine the international politics of the Middle East, with particular emphasis on Israel and its regional rivals.

POLI 5356. Politics of Education. 3 Semester Credit Hours.
Study the relationship between politics and education in America, including both K-12 and post-secondary systems.

POLI 5359. Political Management. 3 Semester Credit Hours.
Study the political management of government in environmental protection.

POLI 5360. Political Culture and Public Policy. 3 Semester Credit Hours.
Study the political culture as it forms and is formed by public policy, including the culture of environmental policy, bureaucratic policy, and foreign policy.

POLI 5362. Environmental Policy. 3 Semester Credit Hours.
Study the politics of the natural environment with emphasis on the role of government in environmental protection.

POLI 5365. Government Seminar. 3 Semester Credit Hours.
Explore selected topics in the study of Government. Contents vary according to the needs and desires of students. Independent reading, research, discussion, and writing under personal direction of instructor. May be repeated once for credit when topic varies.

POLI 5368. Problems. 1-3 Semester Credit Hours.
Explore selected topics in Political Science. Independent reading, research, discussion, under supervision of senior professor.

POLI 5398. Political Science Thesis. 3 Semester Credit Hours.
Scheduled when student is ready to begin thesis. No credit until thesis is accepted.

Project Management (PADM)

PADM 5301. Introduction to Managing Public Sector Organizations. 3 Semester Credit Hours.
Learn the key dynamics in managing public sector organizations. Study the classic readings in the history of public administration in the United States, providing context for the current practice of public management. Particular emphasis will be on the distinctive aspects of public sector organizations and managerial strategies to promote organizational effectiveness and change in these complex environments.

Psychology (PSYC)

PSYC 3301. Psychology of Learning. 3 Semester Credit Hours.
Investigate major theoretical approaches, concepts and principles, and experimental methods of learning. Prerequisite(s): PSYC 2301 or permission of department chair.
PSYC 3302. Health Psychology. 3 Semester Credit Hours.
Apply psychology principles and techniques to the fields of health and medicine, including emotional, behavioral, cognitive, social, and multidisciplinary factors. Examine the effects of illness and injury on behavior. Prerequisite(s): PSYC 2301.

PSYC 3303. Educational Psychology. 3 Semester Credit Hours.
Apply psychological theories and principles to teaching and learning. Learn theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. Analyze the impact of cultural diversity on the learning process and standardized testing. Students seeking teacher certification must be admitted to the Teacher Education Program. Prerequisite(s): PSYC 2301 or permission of department chair.

PSYC 3305. Human Cognitive Processes. 3 Semester Credit Hours.
Study human cognition and information processing, including perception, attention, memory, reasoning, and problem solving. Explore experimental methods and current theories of human cognition. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.

PSYC 3307. Human Lifespan. 3 Semester Credit Hours.
Explore development from conception through adulthood with emphasis on social adaptation of individuals and roles in families, groups, and communities. Study cognitive, social, personal and biological factors of the stages of development.

PSYC 3309. Writing in Psychology. 3 Semester Credit Hours.
(WI) Examine advanced technical communication in psychology. Study and use the current edition of the Publication Manual of the American Psychological Association for formal research reports, literature reviews, grant proposals, and professional articles. Learn to write professional psychological reports. Prerequisite(s): PSYC 2301, ENGL 1301, and ENGL 1302, or permission of Department Chair.

PSYC 3310. Abnormal Psychology. 3 Semester Credit Hours.
Study an overview of the history, causes, and treatments of deviant behavior. Learn psychological, social, and physiological factors as they relate to the development of abnormal behavior and its subsequent treatment. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of Department Chair.

PSYC 3311. Behavior Analysis and Behavior Management. 3 Semester Credit Hours.
Examine the basic principles and methods of behavior analysis and behavior management techniques. Study systematic review of behavioral and cognitive-behavioral methodologies for dealing with human problems such as disruptive behavior, personal adjustment difficulties, behavioral deficits, phobias and fears, developmental disorders, stress and maladaptive behavior in a variety of settings. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.

PSYC 3312. Biological Foundations of Behavior. 3 Semester Credit Hours.
Study biological basis of behavior. Learn in-depth examination of physical structure of the human body and the role of chemical and electrical operations within it. Emphasis will be placed on the developmental, cognitive, affective and behavioral effects of such operations, and recent research will be reviewed. Prerequisite(s): PSYC 2301, 8 hours of lab science and PSYC 3309 or permission of department chair.

PSYC 3315. Human Sexuality. 3 Semester Credit Hours.
Study psychology of sexual behavior, exploring the field's diversity, controversy, and current research, in a non-judgmental way. Explores historical, biological, psychological, and relevant social aspects of human sexuality. Prerequisite(s): PSYC 2301.

PSYC 3318. Psychology of Gender. 3 Semester Credit Hours.
An examination of gender from a psychological and cultural perspective. Discusses how and why social expectations, standards, and opportunities tend to be systematically related to gender and the corresponding effects on male and female experience. Prerequisite: PSYC 2301 or permission of department chair.

PSYC 3320. Psycholinguistics. 3 Semester Credit Hours.
Analyze the study of language, understanding languages, producing language and speech, language development, and related topics such as reading, language and the brain, linguistic diversity, and universals. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.

PSYC 3330. Statistics for the Behavioral Science. 3 Semester Credit Hours.
Study measures of central tendency, variability, and correlation. Analyze applications of statistical inference to research in Psychology, reliability and validity of psychological tests and measurement, analysis of variance, multiple analysis of variance, and regression. Prerequisite(s): PSYC 2301 and MATH 1314 or MATH 1342 or permission of department chair.

PSYC 3350. Personality. 3 Semester Credit Hours.
Analyze personality, the unique and relatively stable patterns of behavior, thoughts, and feelings that make individual human beings. Learn the different theoretical approaches – psychodynamic, cognitive, behavioral, humanistic, and existential – as they relate to personality and personality development. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.

PSYC 3360. Sport Psychology. 3 Semester Credit Hours.
Explore theories and research related to sports and exercise behavior. Study the history of sport psychology, behavioral principles, anxiety, motivation, leadership, group dynamics, gender, and personality. Analyze related principles to exercise and sport performance. Prerequisite(s): PSYC 2301 or permission of department chair.

PSYC 4301. Psychological Assessment. 3 Semester Credit Hours.
Explore principles of psychological testing. Study uses and critical evaluation of tests, achievements, intelligence, aptitude, and personalities. Prerequisite(s): PSYC 2301, PSYC 3309, and PSYC 3330, or permission of department chair.

PSYC 4302. Adaptive Psychology. 3 Semester Credit Hours.
A consideration of how adaptation has influenced social, cognitive and developmental processes in humans. Comparisons between humans and other species, and between different human cultures will be included. Prerequisite(s): PSYC 2301, 8 hours of lab science preferably BIOL 2401 and BIOL 2402, PSYC 3309, or approval of Department Chair.

PSYC 4303. Animal Behavior. 3 Semester Credit Hours.
Study animal behavior research from a psychological perspective. Examine the development and display of behaviors will include subject samples ranging from insects to humans conducted in natural, quasi-experimental, and experimental studies. Prerequisite(s): PSYC 2301, 8 hours of lab science preferably BIOL 2401 and BIOL 2402 and PSYC 3309, or permission of department chair.

PSYC 4305. Social Psychology. 3 Semester Credit Hours.
Learn theory and phenomena of social psychology. Study the effect of social variables upon the behavior of individuals. Examine socialization, language and communication, prejudice, social attitudes, attitude change, aggression, prosocial behavior, and group behavior. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.
PSYC 4310. Industrial and Organizational Psychology. 3 Semester Credit Hours.
Study basic theories and practices of Industrial/Organizational psychology including selection testing, job analysis, performance appraisal training, employment motivation, job satisfaction, leadership and group processes within organizations. Prerequisite(s): PSYC 2301 and PSYC 3309 or permission of department chair.

PSYC 4315. Fundamentals of Program Evaluation. 3 Semester Credit Hours.
Study fundamentals of program evaluation methods used in the fields of education and human service. Learn theory, methodology, utilization of information, standards of practice and ethics. Prerequisite(s): PSYC 2301, appropriate undergraduate-level statistics and research methods courses, or permission of instructor.

PSYC 4320. History of Psychology. 3 Semester Credit Hours.
(WI) Analyze historical prescientific psychology in philosophy and physiology through the period of the psychological schools of thought. Prerequisite(s): PSYC 2301 and PHIL 1301 or 2303, and PSYC 3309 and Junior classification, or permission of department chair.

PSYC 4325. Motivation. 3 Semester Credit Hours.
Learn synthesis of theories of motivation with practical applications of motivating people, such as students or business employees. Examine historical and recent developments and their relationship to behavioral research, including concepts such as goals, work quality, work environment, and the use of rewards and other incentives. Prerequisite(s): PSY 2301.

PSYC 4332. Psychopharmacology. 3 Semester Credit Hours.
Study neuroscientific basis of the effects of drugs on behavior. Emphasis will be placed on major antipsychotic, antianxiety, antidepressant drugs and their clinical use and side effects and drug abuse such as alcohol, marijuana, and cocaine. Prerequisite(s): PSYC 2301, 8 hours of lab science, and PSYC 3309 or permission of department chair.

PSYC 4350. Forensic Psychology. 3 Semester Credit Hours.
Study forensic psychology and its relation to criminal justice. Emphasis is on social and cognitive psychology aspects like eyewitness testimony and courtroom behavior. Analyze psychological aspects of the legal system such as juvenile justice, competency to stand trial, and expert psychological testimony. Prerequisite(s): PSYC 2301.

PSYC 4388. Psychology Problems. 1-3 Semester Credit Hours.
Study of various topics related to Psychology. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Entry into the course will be arranged by the department chair.

PSYC 4389. Special Topics in Psychology. 3 Semester Credit Hours.
Examine different topics each semester with a focus on contemporary issues in psychology. This course may be repeated for credit as the topic changes. Prerequisite(s): Senior standing.

PSYC 4435. Principle Research for Behavioral Sciences. 4 Semester Credit Hours.
(WI) Study various research designs used in the behavioral sciences. Laboratory experiences will be required to acquaint the student with experimental procedures. Instruction will also be provided in writing research reports according to the APA manuscript style and SPSS statistical applications. Prerequisite(s): PSYC 3309 or ENGL 3309 and PSYC 3330 or equivalent.

PSYC 5090. Psychology Comprehensive Examination. 0 Semester Credit Hours.
Study and take the psychology examination for Non-thesis students. Register for the comprehensive examination during final semester of graduate coursework, or upon permission of advisor. All comprehensive examinations will be written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

PSYC 5198. Psychology Thesis. 1-6 Semester Credit Hours.
Independent research course in which a student proposes and completes an original, quantitative research project in conjunction with three graduate faculty members who serve on the thesis committee. Scheduled when the student is ready to begin thesis. No credit awarded until proposal and thesis are approved, respectively. Six hours of thesis credit is required. Prerequisite(s): PSYC 5300 and PSYC 5301 and successful completion of 12 additional credit hours in the degree plan and, permission of the Chair of the thesis committee or department chair.

PSYC 5300. Behavioral Statistics. 3 Semester Credit Hours.
Review of descriptive statistics with emphasis on inferential statistics. Learn correlation, one-way and two-way analysis of variance, regression analysis and experimental design. Use of computer software with emphasis on experience with SPSS. Prerequisite(s): undergraduate statistics recommended.

PSYC 5301. Research Methods. 3 Semester Credit Hours.
Study scientific method of research, types of research and research design. Review, analyze and interpret research findings in major field and develop a research project with the assistance of their instructor. Prerequisite(s): PSYC 5300 or equivalent graduate statistics course.

PSYC 5302. Social Psychological Processes. 3 Semester Credit Hours.
Examine the individual in a social and cultural context. Learn the behavior of groups, the roles of individuals within groups, and the influence of groups on an individual's perceptions, attitudes, emotions, and behavior. Study major theories and supporting research.

PSYC 5303. Theories of Learning. 3 Semester Credit Hours.
Study major theories of learning, factors which influence the process of learning, and application of these theories and processes to general and special populations. Prerequisite(s): Admission to Graduate School or permission of department chair.

PSYC 5304. Human Development. 3 Semester Credit Hours.
Study the development of human beings from conception to death. Analyze research and theory into physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

PSYC 5311. Culture, Minority and Gender Issues. 3 Semester Credit Hours.
Study interaction of social/cultural groups in America, problems of minorities and ethnic groups, problems related to gender and age, problems within family systems and contemporary sources of positive change.

PSYC 5313. Crisis Intervention and Management Individual and Family. 3 Semester Credit Hours.
Examine dynamics and treatment of situational crises in various settings. Learn theories and approaches to crisis intervention and management. Prerequisite(s): COUN 5350 or permission of department chair.
PSYC 5314. Assessment Intelligence and Achievement. 3 Semester Credit Hours.
Study the selection, administration, and interpretation of selected tests used in the individual measurement of intelligence. Prerequisite(s): COUN 5358 and PSYC 5381, or permission of department chair. Field experience fee - $75.

PSYC 5315. Physiological Psychology. 3 Semester Credit Hours.
Examine biological basis of behavior with an emphasis on the structure and biochemistry of the human nervous system. Explore interactive relationships between biological processes, psychopharmacology, genetics, neurological disorders, normal growth and maturation, perception, memory, emotion, stress, mental disorders, consciousness, and communication. Study of contemporary theories and research are investigated and critiqued.

PSYC 5316. Advanced Quantitative Methods and Experimental Design. 3 Semester Credit Hours.
Learn statistical techniques to analyze quantitative data resulting from experimental research designs. Engage in a continuation of PSYC 5300 and PSYC 5301 and students are required to demonstrate proficiency in SPSS for data analysis. Review One-Way and Two-Factor ANOVA. Emphasis on ANCOVA, MANOVA, MANCOVA, multiple regression, logistic regression, data reduction techniques (factor analysis and principal components analysis), and non-parametric analyses appropriate for two- and multi-group designs. Explore the integration of multivariate and advanced statistical design with applicable research paradigms. Prerequisite(s): PSYC 5300 and PSYC 5301.

PSYC 5320. History and Systems. 3 Semester Credit Hours.
Analyze the historical development of the science of psychology from early philosophical theories through the establishment of psychology as a science to modern theoretical positions.

PSYC 5321. Evolutionary Psychology. 3 Semester Credit Hours.
Evaluate current theories of adaptation with a large focus on how adaptation has influenced social, cognitive and developmental processes in humans. Review and discuss evidence from cross-cultural and cross species studies.

PSYC 5322. Psychometrics. 3 Semester Credit Hours.
Study systematic treatment of the logic of measurement, including scaling models, validity, variance and covariance, reliability, theories of measurement error an test construction. Prerequisite(s): Admission to Graduate School or permission of department chair.

PSYC 5360. Foundations of School Psychology. 3 Semester Credit Hours.
Study the foundations, professional standards, ethics, and laws related to the delivery of school psychological services. Prerequisite(s): admission to graduate school or permission of department chair.

PSYC 5380. Personality Social Assessment. 3 Semester Credit Hours.
Gain instruction and supervision in the assessment of emotional, motivational, interpersonal, and attitudinal characteristics of children and adults. Learn the administration, scoring, and interpretation of many widely-used tests. Prerequisite(s): COUN 5358 and PSYC 5381, or permission of department chair.

PSYC 5381. Assessment and Evaluation Fundamentals. 3 Semester Credit Hours.
Examine nature and development of standardized tests, with emphasis on ethical standards, psychometric theory, test standards, and test construction. Learn selection criteria and utilization of standardized or other instruments in various environments are considered. Explore evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.

PSYC 5382. Behavior Management and Therapy. 3 Semester Credit Hours.
Examine basic theories of human learning, major approaches to behavior management and therapy and principles of applied behavior analysis. Learn formal treatment planning application and evaluation of programs for management of specific behavioral/psychological problems. Study case reviews and practice in individual interventions.

PSYC 5383. Consultation and Supervision. 3 Semester Credit Hours.
Study application of psychological principles of consultation and supervision in selected settings. Emphasis is on analysis of client and consultee/supervisor behaviors, individual and group communications, program evaluation and possible intervention options in selected environments. Prerequisite(s): COUN 5350 or PSYC 5360, and COUN 5353, or permission of department chair.

PSYC 5384. Psychology Internship I. 3 Semester Credit Hours.
Explore supervised professional activities in psychology. Major emphasis is placed on the student’s involvement in successful practices in the area of interest. Students must have met all academic and professional standards of practice before placement. Lab experiences are included. Prerequisite(s): Completion of all course work required by the degree and application for internship. Field experience fee - $75.

PSYC 5385. Psychology Internship II. 3 Semester Credit Hours.
Explore professional activities in psychology in the student’s area of interest. Major emphasis is placed on the integration of theoretical and conceptual principles, as well as professional and personal skill development. Prerequisite(s): PSYC 5383 and application for internship. Field experience fee - $75.

PSYC 5388. Psychology Problems. 1-3 Semester Credit Hours.
Study selected problems in psychology. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): graduate standing and permission of department chair.

PSYC 5389. Special Topics in Psychology. 1-3 Semester Credit Hours.
Examine different topics each semester with a focus on contemporary issues in counseling. This course may be repeated for credit as the topic changes.

PSYC 5391. Psychology Practicum I: Field Experience. 3 Semester Credit Hours.
Explore supervised experience in settings such as marriage and family, mental health, and/or counseling and guidance placements outside the University. The field experience will consist of 150 clock hours with 100 client contact hours. Prerequisite(s): COUN 5350, COUN 5353, COUN 5354, COUN 5357 and (COUN 5358 or COUN 5351), and PSYC 5381 for LPC and LPA; COUN 5350, COUN 5309, COUN 5353, COUN 5356 and COUN 5357 for LMFT; PSYC 5360, PSYC 5381, PSYC 5382, PSYC 5353, COUN 5357 and COUN 5358 for LSSP; 3.0 GPA; and permission of department chair. Field experience fee - $75.
PSYC 5392. Psychology Practicum II: Field Experience. 3 Semester Credit Hours.
Explore settings such as marriage and family, mental health, and/or counseling and guidance placements outside the University. The field experience will consist of 150 clock hours with 100 client contact hours. Prerequisite(s): PSYC 5391, a 3.0 GPA, and permission of department chair. Field experience fee - $75.

PSYC 5393. Psychology Practicum III: Field Experience. 3 Semester Credit Hours.
Explore settings such as marriage and family, mental health, and/or counseling and guidance placements outside the University. The field experience will consist of 200 clock hours with 100 client contact hours. Prerequisite(s): PSYC 5392, a 3.0 GPA, and permission of department chair. Field experience fee - $75.

Reading (READ)

READ 3301. Introduction to Children's Literature. 3 Semester Credit Hours.
Study literature for children focusing on the use of classic and contemporary texts to promote interest, motivation, and critical reading skills for self-selected reading in the elementary student. Learn to use texts to emphasize literary genre, text structures, and literary devices as tools for making connections and meaning. Prerequisite(s): Required core ENGL classes for degree. Credit will not be granted for READ 3301 and ENGL 3350.

READ 3311. Reading I: Reading Acquisition and Development. 3 Semester Credit Hours.
Explore research-based competencies essential for effective literacy instruction. Study characteristics of normal reading development in the emergent/early learner, explore materials, procedures, assessments and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, word identification, and review diagnoses of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUC 3320.

READ 3330. Reading II: Assessment, Instruction and Reader Development. 3 Semester Credit Hours.
(WI) Study characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, and TEKS/TAKS. Examine normal reading development, reading difficulties, strategies for assessing/addressing reading differences including diverse learner reading processes and development of literacy in English or ELL. Prerequisite(s): READ 3311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUC 3330.

READ 3335. Content Area Reading. 3 Semester Credit Hours.
(WI) Examine factors that influence learning from content text and study specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Study ways to modify text for diverse learners and the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

READ 4304. Reading and Writing Across the Curriculum. 3 Semester Credit Hours.
(WI) Study theory and instructional strategies for teaching the writing process in elementary and middle schools. Learn stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): READ 3330 and EDUC 3330, and concurrent enrollment in READ 4305 and EDUC 4304 or EDUC 4330.

READ 4305. Implement Classroom Reading Instruction. 3 Semester Credit Hours.
Study state and national reading initiatives, approaches to teaching reading, procedures for organizing the elementary and middle school classrooms for reading instruction, research on effective reading-writing instruction, and roles of school personnel and parents in the school reading program. Prerequisite(s): READ 3330 and EDUC 3330, and concurrent enrollment in READ 4304 and EDUC 4304 or EDUC 4330, or permission of department chair.

READ 5370. Literacy Development. 3 Semester Credit Hours.
Analyze models of the reading and writing processes. Emphasis on characteristics of emergent, early, transitional and fluent literacy, instructional strategies in reading and writing, phonics instruction and strategies for teaching English language learners, and the essential knowledge and skills in the language arts curriculum. Prerequisite(s): admission to the teacher certification program.

READ 5371. Advanced Strategy for Literacy Development. 3 Semester Credit Hours.
Study research in literacy development from early childhood through adulthood. Learn to develop research-based literacy programs from early childhood through adulthood, apply informal diagnostic and remedial procedures for English language learners, elementary, secondary and adult readers, and survey print and non-print materials, including textbooks, trade books and computer software. Prerequisite(s): admission to the teacher certification program.

READ 5372. Language Arts. 3 Semester Credit Hours.
Examine research and strategies for implementing the reading/writing process in classrooms. Explore integrated curriculum, the use of children's literature, classroom management and organization, evaluation, working with diverse learners, and developing support networks. Prerequisite(s): READ 5373 or 9 hours of undergraduate READ courses or permission of department chair.

READ 5373. Foundations of Reading. 3 Semester Credit Hours.
Examine theoretical models of the reading process, historical perspectives on reading instruction, and language learning. Develop an understanding of the construction of reading theory and its relationship to instructional practices. Prerequisite(s): Elementary, secondary, or all-level certification or permission of department chair.

READ 5374. Reading Research and Materials. 3 Semester Credit Hours.
Study print and non-print materials including content-area textbooks, trade books, and computer software. Evaluate materials and application of reading principles to instruction in content areas. Prerequisite(s): READ 5373 or 9 hours of undergraduate READ courses or permission of department chair.
READ 5375. Reading Research and Assessment. 3 Semester Credit Hours.
Examine methods and techniques employed in reading research and assessment. Review research and the development, implementation, and dissemination of classroom research. Explore the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Prerequisite(s): READ 5373 or 9 hours of undergraduate READ courses or permission of department chair.

READ 5376. Organization and Administration of Reading Programs. 3 Semester Credit Hours.
Study state laws, trends and issues related to the administration of reading programs. Examine instructional issues and reading programs for pre-K through adult learners, censorship issues, textbook/test adoption procedures, roles and responsibilities in the reading program, staff development, and change strategies. Prerequisite(s): READ 5373 or 9 hours of undergraduate READ courses or permission of department chair. Certification Fee - $150.

READ 5388. Reading Problems. 1-3 Semester Credit Hours.
Study of selected problems in reading. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): Permission of department chair.

READ 5391. Reading Practicum. 3 Semester Credit Hours.
Apply knowledge gained in previous Reading Specialist certification courses. Practicum candidates will be directly involved in providing 180 clock hours of reading services to students in a local public or private school setting, and will document expertise and experience in all four Standards. Prerequisite(s): READ 5373, READ 5374, READ 5375, READ 5376 and ENGL 5321; two years of creditable classroom teaching experience. Field experience fee - $75.

Religious Studies (RELS)
RELS 3300. Introduction to Religious Studies. 3 Semester Credit Hours.
Examine religious phenomena from a non-confessional, interdisciplinary academic perspective. Explore the concept of religion as a component of culture in a postmodern, diversified, global community. Survey major religious traditions, and trends throughout the history of the discipline.

RELS 3301. Classical Greek Mythology. 3 Semester Credit Hours.
Study classical myths and legends pertaining to the Greek pantheon, heroes, and other supernatural beings and events. Evaluate samples of English literature alluding to classical Greek mythology, and understand the cultural significance of myth within classical Greek society.

RELS 3302. Dead Sea Scrolls. 3 Semester Credit Hours.
Explore the archaeological discovery of the Dead Sea Scrolls. Examine and interpret content of selected manuscripts. Evaluate the history of controversies surrounding Scrolls management and presentation to the academic world.

RELS 3303. Hebrew Scriptures. 3 Semester Credit Hours.
Examine the canonical Hebrew scriptures in the light of present-day scholarship. Read translated scriptural passages to evaluate sources, historical and cultural milieu, and forms of modern criticism. Reading competency in the Hebrew language is not required.

RELS 3304. World Religions. 3 Semester Credit Hours.
Study the philosophical, ethical, and social dimensions of the religions of the world. Special emphasis on the major world religions, but lesser known religions will be explored to gain a broad view of the diversity of religious experience and tradition.

RELS 3300. Prophets of Ancient Israel. 3 Semester Credit Hours.
Examine prophet types in light of their historical and cultural milieu. Understand the differences between the eponymous ancestors, leaders, wonder-workers, and literary prophets of Ancient Israel, and evaluate the relationship between prophecy, prophets, and scribal culture in the ancient Near East.

RELS 4310. Myth and Ritual. 3 Semester Credit Hours.
Examine the religious beliefs and practices of small-scale societies based upon ethnographic literature. Special emphasis on altered states, shamanism, bewitching, and religious practitioners. Maybe crosslisted with ANTH 4310. Only one may be taken for credit.

RELS 4312. Psychology of Religion. 3 Semester Credit Hours.
Discover the major issues, theories, and psychological approaches to the study of religion, and address the practice of pastoral counseling. Explore the formation of meaning systems, motivation for behaviors, and psychological accounts for religious impulses and phenomena. Prerequisite(s): None.

RELS 4315. Philosophy of Religion. 3 Semester Credit Hours.
Examine religious phenomena, and concepts of God, miracles, claims of religion, the problem of evil, and religious ethics. Study and evaluate the relationship of religion and philosophy, and the place of philosophy within the religious experience. Prerequisite(s): None.

RELS 4320. Religious Terrorism. 3 Semester Credit Hours.
Examine the religious motivations, support, and tactics behind the phenomena of domestic and foreign terrorism. Prerequisite(s): None.

RELS 4330. Religions of the Middle East. 3 Semester Credit Hours.
Examine the history, beliefs, practices, and conflicts behind the major religious traditions of Judaism, Christianity, and Islam. Prerequisite(s): None.

RELS 4390. Special Topics in Religion. 3 Semester Credit Hours.
Examine selected topics within religious studies. May be repeated for credit when topics vary. Prerequisite(s): None.

RELS 5300. Introduction to Religious Studies. 3 Semester Credit Hours.
Examine religion as an aspect of culture in a postmodern, diversified, global community. Evaluate the history and concepts used in the academic study of religion, and the major religious traditions of the world. Prerequisite(s): None.

RELS 5304. Sociology of Religion. 3 Semester Credit Hours.
Examine religion and religious phenomena from the perspectives, theories, and methods of sociology. Evaluate the major works of classical theorists such as Durkheim, Weber, and Marx, and recent theorists such as Berger and Stark.

RELS 5310. Anthropology of Religion. 3 Semester Credit Hours.
Apply anthropology to religion through a study of ethnographies, and literature pertaining to the study of religious phenomena. Explore myth and ritual, altered states, healing and bewitching, and the roles of religious practitioners. This course is cross-listed with ANTH 5310, and only one may be taken for credit.

RELS 5312. Psychology of Religion. 3 Semester Credit Hours.
Examine major issues and theories in the psychological approach to the study of religious phenomena. Analyze the literature of theorists, the contributions of neuroscience, evolutionary psychology, consciousness research, and regressive hypnotherapy in the study of religion.
RELS 5315. Philosophy of Religion. 3 Semester Credit Hours.
Examine religious phenomena, and concepts of God, miracles, claims of
religion, the problem of evil, and religious ethics. Study and evaluate the
relationship of religion and philosophy, and the place of philosophy within
the religious experience.

RELS 5320. Religious Terrorism. 3 Semester Credit Hours.
Examines the religious motivations, support, and tactics behind the
phenomena of domestic and foreign terrorism. Analyze case studies and
histories of specific terrorist organizations, justifications for violence,
and terrorist targets. Maybe crosslisted with HLS 5320. Only one may be
taken for credit.

RELS 5389. Special Topics in Religion. 3 Semester Credit Hours.
Examine selected topics within religious studies. Students may enroll for
additional credit hours when topics vary.

Social Science (SOSC)

SOSC 3300. Social Science Proseminar. 3 Semester Credit Hours.
Learn professional communication, advanced writing expectations, and
ethics in professional writing in preparation to pursue advanced studies
in the social sciences.

SOSC 3301. Social Sciences Survey. 3 Semester Credit Hours.
Explore the relationships of history, political science, economics and the
social sciences through an interdisciplinary perspective. Prerequisite(s):
9 hours of HIST, POLS, ECO or SOC.

Social Work (SOWK)

SOWK 3300. Introduction to Social Work. 3 Semester Credit Hours.
Examine the profession of social work, its historical development, values,
ethics, and various fields of practice, with an emphasis on the generalist
perspective and populations at risk. 30 hours of volunteer work with a
non-profit community agency is required as part of the course.

SOWK 3301. Methods and Skills of Social Work. 3 Semester Credit
Hours.
Study the Generalist Social Work Practice Model. Develop social work
skills in the principles of conducting a helping interview, initial client
contact, attending and listening, empathetic responses, exploration
and elaboration, questioning, gaining cooperation, self-disclosure,
and termination. Understand issues of problem-solving with diverse
populations and persons from different cultural backgrounds, and
examine ethical issues of helping relationships. Prerequisite(s): SOWK
3300 or concurrent registration.

SOWK 3302. Social Welfare in the United States. 3 Semester Credit
Hours.
Study human services in the United States and how they have developed
over time. Special Emphasis on services and programs directed at the
most vulnerable populations in our society. Race, ethnicity, gender, and
socioeconomic status are considered in an effort to understand the
need for and eligibility for various human services and social welfare
programs.

SOWK 3303. Social Work with Diverse Populations. 3 Semester Credit
Hours.
Examine theoretical, political, historical, cultural, and economic issues
related to diverse populations. Special emphasis on social work practice
with oppressed populations, societal forces that promote discriminatory
and oppressive values, beliefs, and attitudes.

SOWK 3304. Human Behavior and Social Environment I. 3 Semester
Credit Hours.
Use systems theory as organizing perspective to examine the bio-psycho-
social factors influencing human development. Analyze factors affecting
human functioning, and their relationship to and implications for social
work practice.

SOWK 3305. Biological Foundations of Social Work Practice. 3 Semester
Credit Hours.
Explore issues related to human biological functioning as applied to
social work practice. Emphasis on the functioning of the human body
across the lifespan, healthy living and prevention of illness, and illness
disabilities (physical and mental) that social workers encounter in
clients.

SOWK 3310. Human Behavior and Social Environment II. 3 Semester
Credit Hours.
Explore issues related human biological functioning as applied to social
work practice. Emphasis on theories and knowledge about the range of
social systems in which individuals live and the ways in which systems
deter people from achieving well-being, including values and ethical
issues related to bio-psycho-social theories. Prerequisite(s): SOWK 3304.

SOWK 3311. Social Work Practice I. 3 Semester Credit Hours.
Examine theories and methodologies needed for generalist social work
practice with individuals and small groups. Evaluate the value base of the
social work profession and basic practice concepts for understanding
a variety of intervention models in diverse settings. Prerequisite(s):
Admission to the Social Work Program and SOWK 3301.

SOWK 4300. Social Welfare Policy. 3 Semester Credit Hours.
(WI) Study social welfare as society’s response to the needs of
individuals, groups, and communities. Examine the history of policy
development reflecting society’s changing values. Analyze policy to
determine impact on various systems, including populations at risk, and
explore the role of social policy in promoting social justice and social
change. Prerequisite(s): SOWK 3302.

SOWK 4301. Social Work and Mental Health. 3 Semester Credit Hours.
Study mental disorders, and psychotropic medications, and use the
current Diagnostics and Statistical I Manual of Mental Disorders,
published by the American Psychiatric Association, to assess mental
issues. Work on interdisciplinary teams to evaluate social worker roles in
interacting with people with mental health issues.

SOWK 4311. Child Welfare. 3 Semester Credit Hours.
Examine the history and practice of child welfare. Study programs and
policies dedicated to child welfare, and learn the social work practice
settings for the discipline.

SOWK 4320. Social Work Research Statistics. 3 Semester Credit Hours.
Study foundational principles and concepts of the scientific method and
social science research. Learn the basics of statistical data interpretation
and critical analysis of research, including quantitative and qualitative
research strategies, research design and methodology, and inferential
and descriptive statistics.

SOWK 4321. Writing for Social Work Research. 3 Semester Credit Hours.
(WI) Apply social work knowledge to facilitate understanding and
interpretation of research findings. Develop the evaluation and analysis
process, and understand ethical issues in social science research.
Explore evaluation of practice, critical evaluation of published research,
and completion of a research proposal. Prerequisite(s): SOWK 4300 and
SOWK 4320.
SOWK 4324. Social Work Practice II. 3 Semester Credit Hours.
Study theory and practice of social change at community, society, and local levels. Examine methods of resource delivery and redistribution, and learn models of community organization, including community development, social action, and social planning. Prerequisite(s): SOWK 3301 and SOWK 3311.

SOWK 4331. Death and Dying. 3 Semester Credit Hours.
Examine the ramifications of death, including the experiences and rights of the dying and the significance to those who mourn. Use major sociology theories to analyze societal meaning of the reality and symbolism of death. Credit for SOWK 4331 will not be awarded. Prerequisite(s): SOCI 1301.

SOWK 4333. Social Work Field Seminar. 3 Semester Credit Hours.
Integrate field experience and social work skills in order to transition from student to professional social worker. The Field Seminar is a course taken concurrently with a block field placement (SOWK 4932). Serves as an integrative capstone course for the field placement and social work program. Corequisite: SOWK 4932. May not be taken for credit if SOWK 4684 or SOWK 4685 has been completed.

SOWK 4334. Social Work Seminar. 1-3 Semester Credit Hours.
Study current trends and issues related to professional social work practice, social service delivery, and populations at risk. May be repeated for credit when topics vary. Prerequisite(s): Junior standing & permission of department chair.

SOWK 4388. Social Work Problems. 1-6 Semester Credit Hours.
Engage in independent reading and research on selected topics within social work. Entry into the course will be arranged by faculty member teaching the course.

SOWK 4684. Social Work Field Placement I. 6 Semester Credit Hours.
Integrate theory and professional skill in a supervised, social work agency-based field placement. A minimum of 225 hours required to be completed and participation in a three-hour-per-week seminar. Prerequisite(s): Acceptance into the field program and completion of SOWK 3301, SOWK 3303, SOWK 3311 and SOWK 3304. Internship fee: $125.

SOWK 4685. Social Work Field Placement II. 6 Semester Credit Hours.
Integrate theory and professional skill in a supervised, social work agency-based field placement. Special emphasis on generalist social work practice and on the relationships among human behavior, social policy, research, and practice. A minimum of 225 hours required to be completed and participation in a three-hour-per-week seminar. Prerequisite(s): SOWK 4684 with a grade of C or better. It is advised that SOWK 4324 be taken as a co-requisite. Internship fee: $125.

SOWK 4932. Social Work Field Instruction. 9 Semester Credit Hours.
Integrate social work theory and professional skill within a supervised, agency-based generalist social work setting. A minimum of 450 hours required to be completed. Prerequisite(s): Acceptance into the field program, SOWK 4321. Corequisite SOWK 4333. May not be taken for credit if SOWK 4684 or SOWK 4685 has been completed. Internship fee: $175.

Sociology (SOCI)

SOCI 3301. Sociology of the Family. 3 Semester Credit Hours.
Study the family as a social institution with emphasis on formation, functions, maintenance, child rearing, and family disorganization.

SOCI 3303. Race and Ethnic Relations. 3 Semester Credit Hours.
Analyze relationships between dominant groups and minority groups that make up American society. Examine theories of race relations and prejudice, the meaning of racial differences, group conflict, and modes of accommodation.

SOCI 3305. Criminology. 3 Semester Credit Hours.
Examine theories of criminology and significant research on causes, extent, cost and ecology of crime, police, criminal, and juvenile courts, and prisons and reformatories. Special emphasis on prevention and rehabilitation. Credit for both CRJ 3305 and SOCI 3305 will not be awarded.

SOCI 3308. Deviant Behavior. 3 Semester Credit Hours.
Examine factors and conditions leading to behaviors that violate and deviate from fundamental social values. Analyze the relationship of personal and social maladjustment in relation to the various theories of deviant behavior.

SOCI 3310. Sociology of Aging. 3 Semester Credit Hours.
Study the reciprocal relationship between society and those considered aged by society, utilizing concepts and theoretical frameworks applicable to that population group. Explore the social forces that impinge on the aging process, including socially constructed images of the aged, and patterns of inequality of gender, race, and economics.

SOCI 3312. Environmental Sociology. 3 Semester Credit Hours.
(WI) Examine relationships and interactions between society and the environment. Explore how the natural world influences the way societies are organized, with special emphasis on human communities as part of natural ecosystems. Prerequisite(s): None.

SOCI 3340. Media and the Unreal World. 3 Semester Credit Hours.
Examine the interactions of culture and the media with a focus on representations of race, class, gender, and sexuality. Evaluate contemporary mass media to explore the unique relationship between media content, the industry that creates it, and audiences whose interpretations and demands constitute its market.

SOCI 4301. The Military Family. 3 Semester Credit Hours.
Examine the relationship between the work organization and the family in the armed forces of the United States. Using a sociological perspective, analyze and discuss contemporary issues, situations, problems, and policies relevant to military families.

SOCI 4303. Social Inequalities. 3 Semester Credit Hours.
Examine social inequality and categories of difference from a sociological perspective. Analyze social difference and stratification on the basis of race/ethnicity, class, gender, religion, and sexuality by examining how these categories are constructed, institutionalized, and experienced. Special emphasis on economic and labor-based inequality through the lens of contemporary global processes.

SOCI 4304. Sociology of Religion. 3 Semester Credit Hours.
Examine the principles of religion, religious belief, and practice as a sociological concept. Special emphasis on the relationship of religion to the progress and stability of the social order.

SOCI 4305. Sociological Theory. 3 Semester Credit Hours.
(WI) Examine the major schools of sociological thought, including perspectives from both classic and contemporary sociological theory.

SOCI 4310. Sociology of the Body. 3 Semester Credit Hours.
Study the body as the container and expression of the self, as the object of social control, and the body as it relates to race, gender, sex, class, age, ability, sexuality, and transgender identities.
SOCI 4311. Sociology of Sexuality. 3 Semester Credit Hours.
Study how sexuality is perceived, defined, and experienced in the context of society. Analyze the influence of sexuality on our lives, reflected in social norms, attitudes and beliefs, through public and private policies and practices, and social institutions.

SOCI 4312. Gender in Society. 3 Semester Credit Hours.
Examine socialization to sex roles, and the male/female differences in family, work, and political behavior. Special Emphasis on male/female inequality, effects of gender in education and religion, and current changes in sex role definitions.

SOCI 4313. Social Development and Change. 3 Semester Credit Hours.
Explore social processes and social problems as they are contained in the highly interdependent world system. Examine social change and development through historical, comparative, and critical perspectives. Analyze the problem of how and why societies and cultures around the world change, and evaluate whether those changes promote justice, equity, democracy, and development of human potential.

SOCI 4315. Social Science Statistics. 3 Semester Credit Hours.
Apply the elementary forms of statistical processes, including central tendency, variation, the normal curve and Z scores, analysis of variance, regression analysis, and correlations to social science data. Explore the role of statistics in social work, sociology, criminal justice, political science, and gerontology. SPSS is utilized for data analysis.

SOCI 4316. Methods of Sociological Research. 3 Semester Credit Hours.
(WI) Learn the principles and methods of social research, including research design, methods of observation, questionnaires, and interviews. Apply qualitative and quantitative techniques of inference, analysis, and research report writing, to gain practical experience in limited research studies.

SOCI 4320. Social Psychology. 3 Semester Credit Hours.
Explore symbolic interactionism, and the influence of society, groups, culture, and other persons on the attitudes, behavior, and experiences of the individual.

SOCI 4388. Sociology Problems. 1-6 Semester Credit Hours.
Engage in independent reading, research and discussion on selected topics in sociology. Entry into this course will be arranged with the sociology counselor.

SOCI 4389. Special Topics in Sociology. 1-3 Semester Credit Hours.
Engage in independent reading, research, discussion, and paper writing under personal direction of instructor. Prerequisite(s): Senior standing or permission of department chair. May be taken more than once for credit if topics vary.

SOCI 5305. Theoretical Sociology. 3 Semester Credit Hours.
Study the historical development of sociological theory by examining the major works of classical, contemporary, postmodern and modern social theorists.

SOCI 5388. Sociology Problems. 3 Semester Credit Hours.
Engage in independent reading, research, and discussion on selected topics in sociology, under the supervision of an instructor. May be repeated as topic varies for up to six hours of credit.

SOCI 5389. Special Topics in Sociology. 3 Semester Credit Hours.
Explore selected topics within sociology. May be repeated as topics vary.

Spanish (SPAN)
SPAN 3600. Spanish Readings. 6 Semester Credit Hours.
This course is designed to allow students to achieve reading proficiency in Spanish and will allow performance of research tasks relevant to a selected field of inquiry.

Special Education (SPED)
SPED 3361. Survey Exceptional Learners. 3 Semester Credit Hours.
Study characteristics and educational programs for individuals with disabilities. Examine the legislation and litigation related to special education and the referral, diagnosis, and placement of exceptional learners. A field experience is required. Co-requisite: Passing score on the THEA, ACCUPLACER, COMPASS, or ASSET.

SPED 3362. Special Education Rules and Regulations for Teacher. 3 Semester Credit Hours.
Analyze laws and litigation that affect the education of students with disabilities. Examine procedures pertinent to teachers providing special education services such as federal and state regulations, IEPs, and the development of basic instructional plans. Field experience required. Prerequisite(s): SPED 3361.

SPED 3363. Teaching Learners with Learning Disabilities. 3 Semester Credit Hours.
Analyze laws and litigation that affect the education of students with disabilities. Examine procedures pertinent to teachers providing special education services such as federal and state regulations, IEPs, and the development of basic instructional plans. Field experience required. Prerequisite(s): SPED 3361.

SPED 3364. Teaching Learners with Developmental Disabilities. 3 Semester Credit Hours.
Study the etiology and characteristics associated with deficits in development. Examine effects of developmental disabilities in the areas of language acquisition and physical, social and emotional functioning. Explore methods for teaching functional academic skills, communication skills and life management skills, working with parents, paraprofessionals and related service personnel, community based instruction and vocational planning. Field experience required. Prerequisite(s): SPED 3361.

SPED 3365. Behavioral Management for the Classroom. 3 Semester Credit Hours.
Explore managing a classroom that includes students with disabilities. Study positive interpersonal relationships in the classroom, increasing student motivation and learning, minimizing disruptive behavior, behavioral management strategies, curriculum adaptations, crisis management and behavior management theories and strategies. Also study typical characteristics associated with emotional disabilities and identification procedures utilized. Field experience required. Prerequisite(s): SPED 3361.

SPED 3366. Curriculum Modifications and Accommodations for General Education. 3 Semester Credit Hours.
Study methods and approaches for adapting educational processes for students with disabilities. Emphasis on specialized teaching methods, preparation of materials, use of technology for adapting instruction and developing modifications and accommodations for the general education curriculum. Field experience required.
SPED 4367. Programs For Young Children with Disabilities. 3 Semester Credit Hours.
Study young children with disabilities from birth to 6 years old, with an emphasis on the techniques for implementing programs to meet the needs of the child and the family. Learn early intervention, medical intervention, and public school educational programming for at-risk infants, toddlers, and young children, as well as parent involvement models to promote optimum parent-child and parent–professional relationships. Special emphasis on recent research related to early childhood special education. Field experience required. Prerequisite(s): SPED 3361.

SPED 4388. Special Education Problems. 1-3 Semester Credit Hours.
Study of selected problems in special education. Engage in independent research, reading and discussions under the personal direction of the instructor, topics may vary according to student need. Prerequisite(s): Junior or senior standing and admission to the Teacher Education Program and permission of the instructor and Curriculum and Instruction Program Coordinator.

SPED 5305. Introduction to Exceptional Learners. 3 Semester Credit Hours.
Study learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners also examination of the process and procedures relating to the services provided to learners with disabilities. Prerequisite(s): 18 hours of professional education, certification, or permission of the graduate teacher certification program.

SPED 5311. Behavioral Management in Special Education Environment. 3 Semester Credit Hours.
Study characteristics of students with emotional disabilities, including the application of behavioral management strategies appropriate for students with emotional and behavioral disabilities. Engage in functional assessments of behavior, development of behavior intervention plans, strategies for teaching appropriate behavior, crisis management strategies, and integrating behavior management with instructional programs in school, community and home settings. Prerequisite(s): Admission to the graduate teacher certification program.

SPED 5313. Advanced Study of Learning Disabilities. 3 Semester Credit Hours.
Study research on learning disabilities, including causation, diagnosis and educational programming. Learn methods for teaching students with learning disabilities, adapting general education classrooms to accommodate the inclusion of students with learning disabilities, and collaboration with parents, paraprofessionals and general education teachers. Prerequisite(s): Admission to the graduate teacher certification program.

SPED 5315. Advanced Study of Developmental Disabilities. 3 Semester Credit Hours.
Study research-based instructional methods appropriate for students with developmental disabilities. Learn assessment and teaching of functional academic skills, life management and communication skills, collaborating with parents, paraprofessionals, general education teachers and related service providers, community-based instruction, and vocational planning and preparation. Prerequisite(s): Admission to the graduate teacher certification program.

SPED 5325. Appraisal Exception for Learners. 3 Semester Credit Hours.
Analyze standardized assessments of the academic achievement of students referred for or currently receiving special education services, administer, score, analyze, report and plan programs according to results. Prerequisite(s): PSYC 5301 or concurrent enrollment or permission of Curriculum and Instruction Program Coordinator.

SPED 5327. Teaching Students with Severe and Profound Disabilities. 3 Semester Credit Hours.
Study definitions, characteristics, and instructional techniques for students with severe and profound disabilities, including functional assessment, applied behavioral analysis, Individualized Education Program (IEP) goals and objectives, and transition and placement issues. Prerequisite(s): SPED 5305 or permission of Curriculum and Instruction Chair.

SPED 5328. Case Management Education Diagnosticians. 3 Semester Credit Hours.
This course addresses state and federal laws that affect the diagnosis, placements, and programs for students with disabilities and the diagnostician's role and responsibilities as compliance officers. Enrollment limited to students admitted to the Diagnostician Certification Program or permission of Curriculum & Instruction Program Coordinator. Prerequisite(s): SPED 5325.

SPED 5329. Assessing Cognitive Abilities. 3 Semester Credit Hours.
Standardized assessment of the cognitive and adaptive behavior abilities of exceptional students. Includes test administration, scoring, analysis, and program planning. Prerequisite(s): PSYC 5381 or permission of Curriculum & Instruction Program Coordinator.

SPED 5384. Special Education Teaching Internship. 3 Semester Credit Hours.
A supervised, field-based experience in a special education classroom. Interns must demonstrate proficiency in applying effective teaching practices and classroom management strategies in a school classroom. Prerequisite(s): admission to a teacher certification program at TAMUCT; satisfactory performance in the professional development courses preceding the internship. May be repeated for credit. Field experience fee $75.

SPED 5385. Education Diagnostician Internship. 3 Semester Credit Hours.
Supervised professional activities for persons preparing for certification as an educational diagnostician. Professional activities will include test administration, scoring, analysis, diagnosis, report writing, and program planning. Interns will be required to demonstrate competence in the performance of professional duties as an educational diagnostician. A minimum of 300 hours of documented related professional activities will be required. Prerequisite(s): SPED 5305, SPED 5325 and SPED 5329 or permission of Curriculum & Instruction Program Coordinator. Field experience fee: $75.

SPED 5388. Special Education Problems. 1-3 Semester Credit Hours.
Open to graduate students who are capable of developing a problem independently. Problems are chosen by the student and approved in advance by the instructor and Division Director. Prerequisite(s): Full admission to the Graduate School and a graduate degree or certification program.
Lower Level and General Education Courses

The courses listed in this section are for informational purposes only; they are NOT offered at A&M-Central Texas.

General Education / Lower Level Courses - A

Accounting
ACCT 2301. Principles of Financial Accounting. 3 Semester Credit Hours.
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders’ equity to communicate the business entity’s results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners’ equity while learning to use reported financial information for purposes of making decisions about the company.

ACCT 2302. Principles of Managerial Accounting. 3 Semester Credit Hours.
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity’s accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Anthropology
ANTH 2351. Cultural Anthropology. 3 Semester Credit Hours.
The study of human cultures. Topics may include social organization, institutions, diversity, interactions between human groups, and ethics in the discipline.

General Education / Lower Level Courses - B

Basic Computer Science
BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.
Overview of computer information systems. Introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments in society. The fundamentals of computer problem solving and programming in a higher level programming language may be discussed and applied.

Biology
BIOL 1411. General Botany. 4 Semester Credit Hours.
Fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi.

BIOL 1413. General Zoology. 4 Semester Credit Hours.
Fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology.

BIOL 2301. Anatomy & Physiology I. 3 Semester Credit Hours.
Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

BIOL 2421. Microbiology for Science Majors. 4 Semester Credit Hours.
Principles of microbiology, including metabolism, structure, function, genetics, and phylogeny of microbes. The course will also examine the interactions of microbes with each other, hosts, and the environment.

BUSI 1301. Business Principles. 3 Semester Credit Hours.
This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

Chemistry
CHEM 1411. General Chemistry I. 4 Semester Credit Hours.
Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.
CHEM 1412. General Chemistry II. 4 Semester Credit Hours.
Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports.

Computer Science

COSC 1301. Introduction to Computing. 3 Semester Credit Hours.
Overview of computer systems—hardware, operating systems, the Internet, and application software including word processing, spreadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student’s major field of study in business or computer science.

COSC 1336. Programming Fundamentals I. 3 Semester Credit Hours.
This course introduces the fundamental concepts of structured programming, and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy.

COSC 1337. Programming Fundamentals II. 3 Semester Credit Hours.
This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software.

Criminal Justice

CRIJ 1301. Introduction to Criminal Justice. 3 Semester Credit Hours.
This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes.

CRIJ 1306. Court Systems & Practices. 3 Semester Credit Hours.
This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law.

CRIJ 1309. Fundamentals of Criminal Law. 3 Semester Credit Hours.
This course is the study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability.

CRIJ 2313. Correctional Systems & Practices. 3 Semester Credit Hours.
This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.

CRIJ 2314. Criminal Investigation. 3 Semester Credit Hours.
Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.

CRIJ 2328. Police Systems & Practices. 3 Semester Credit Hours.
This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority.

General Education / Lower Level Courses - E

Economics

ECON 2301. Principles of Macroeconomics. 3 Semester Credit Hours.
An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

ECON 2302. Principles of Microeconomics. 3 Semester Credit Hours.
Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade.

Education

EDUC 1301. Introduction to the Teaching Profession. 3 Semester Credit Hours.
An enriched, integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards; and the course must include a minimum of 16 contact hours of field experience in P-12 classrooms.

EDUC 2301. Introduction to Special Populations. 3 Semester Credit Hours.
An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

English

ENGL 1301. Composition I. 3 Semester Credit Hours.
Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.
ENGL 1302. Composition II. 3 Semester Credit Hours.
Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

General Education / Lower Level Courses - F
FREN 1411. Beginning French I. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
FREN 1412. Beginning French II. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
FREN 2311. Intermediate French I. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.
FREN 2312. Intermediate French II. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.

General Education / Lower Level Courses - G
GEOG 1301. Physical Geography. 3 Semester Credit Hours.
This course introduces students to the processes that drive Earth’s physical systems. Students will explore the relationships among these physical systems, with emphasis on weather and climate, water, ecosystems, geologic processes and landscape development, and human interactions with the physical environment.
GEOG 1302. Human Geography. 3 Semester Credit Hours.
This course introduces students to fundamental concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may include globalization, population and migration, culture, diffusion, political and economic systems, language, religion, gender, and ethnicity.
GEOG 1303. World Regional Geography. 3 Semester Credit Hours.
This course is an introduction to the world’s major regions seen through their defining physical, social, cultural, political, and economic features. These regions are examined in terms of their physical and human characteristics and their interactions. The course emphasizes relations among regions on issues such as trade, economic development, conflict, and the role of regions in the globalization process.

German
GERM 1411. Beginning German I. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
GERM 1412. Beginning German II. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
GERM 2311. Intermediate German I. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.
GERM 2312. Intermediate German II. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.

Government
GOVT 2305. Federal Government. 3 Semester Credit Hours.
Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.
GOVT 2306. Texas Government. 3 Semester Credit Hours.
Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.

General Education / Lower Level Courses - H
History
HIST 1301. United States History I. 3 Semester Credit Hours.
A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction era. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.
HIST 1302. United States History II. 3 Semester Credit Hours.
A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.
HIST 2301. Texas History. 3 Semester Credit Hours.
A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization, and urbanization; civil rights; and modern Texas.
HIST 2311. Western Civilization I. 3 Semester Credit Hours.
A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance, and Reformations.

HIST 2312. Western Civilization II. 3 Semester Credit Hours.
A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalization.

Humanities

HUMA 1315. Fine Arts Appreciation. 3 Semester Credit Hours.
This course is an exploration of the purposes and processes in the visual and performing arts (such as music, painting, architecture, drama, and dance) and the ways in which they express the values of cultures and human experience.

General Education / Lower Level Courses - L

Languages

LANG 1411. Foreign Language I. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.

LANG 1412. Foreign Language II. 4 Semester Credit Hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.

LANG 2311. Intermediate Language I. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.

LANG 2312. Intermediate Language II. 3 Semester Credit Hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.

General Education / Lower Level Courses - M

Mathematics

MATH 1314. College Algebra. 3 Semester Credit Hours.
In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

MATH 1316. Plane Trigonometry. 3 Semester Credit Hours.
In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

MATH 1324. Mathematics for Business & Social Sciences. 3 Semester Credit Hours.
The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

MATH 1325. Calculus for Business & Social Sciences. 3 Semester Credit Hours.
This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences.

MATH 1332. Contemporary Mathematics. 3 Semester Credit Hours.
Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

MATH 1342. Elementary Statistical Methods. 3 Semester Credit Hours.
Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

MATH 1350. Mathematics for Teachers I. 3 Semester Credit Hours.
Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be included.

MATH 1414. College Algebra. 4 Semester Credit Hours.
In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

MATH 2305. Discrete Mathematics. 3 Semester Credit Hours.
A course designed to prepare math, computer science, and engineering majors for a background in abstraction, notation, and critical thinking for the mathematics most directly related to computer science. Topics include: logic, relations, functions, basic set theory, countability and counting arguments, proof techniques, mathematical induction, combinatorics, discrete probability, recursion, sequence and recurrence, elementary number theory, graph theory, and mathematical proof techniques.

MATH 2312. Pre-Calculus Math. 3 Semester Credit Hours.
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.
PHIL 1301. Introduction to Philosophy. 3 Semester Credit Hours.
A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications.

PHIL 2303. Introduction to Formal Logic. 3 Semester Credit Hours.
The purpose of the course is to introduce the student to symbolic logic, including syllogisms, propositional and predicate logic, and logical proofs in a system of rules.

PHYS 1401. College Physics I. 4 Semester Credit Hours.
Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton’s Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton’s Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving.

PHYS 1402. College Physics II. 4 Semester Credit Hours.
Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

PHYS 1405. Elementary Physics I. 4 Semester Credit Hours.
Conceptual level survey of topics in physics intended for liberal arts and other non-science majors.

PHYS 1415. Physical Science I (Lecture + Lab). 4 Semester Credit Hours.
Course, designed for non-science majors, that surveys topics from physics, chemistry, geology, astronomy, and meteorology.

PHYS 2125. University Physics Laboratory I (Lab). 1 Semester Credit Hour.
Basic laboratory experiments supporting theoretical principles presented in PHYS 2325 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

PHYS 2126. University Physics Laboratory II (Lab). 1 Semester Credit Hour.
Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics; experimental design, data collection and analysis, and preparation of laboratory reports.

PHYS 2325. University Physics I. 3 Semester Credit Hours.
Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving.

PHYS 2326. University Physics II. 3 Semester Credit Hours.
Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics.
PHYS 2425. University Physics I. 4 Semester Credit Hours.
Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. Involving the principles and applications of classical mechanics, lab activities include harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

PHYS 2426. University Physics II. 4 Semester Credit Hours.
Principles of physics for science, computer science, and engineering majors, using calculus, lab activities: the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics.

Psychology
PSYC 2301. General Psychology. 3 Semester Credit Hours.
General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

PSYC 2308. Child Psychology. 3 Semester Credit Hours.
This course will address psychological development from conception through middle childhood with references to physical, cognitive, social and personality changes. Students will examine the interplay of biological factors, human interaction, social structures and cultural forces in development.

PSYC 2314. Lifespan Growth & Development. 3 Semester Credit Hours.
Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death.

PSYC 2315. Psychology of Adjustment. 3 Semester Credit Hours.
Study of the processes involved in adjustment of individuals to their personal and social environments.

General Education / Lower Level Courses - S

Sociology
SOCI 1301. Introduction to Sociology. 3 Semester Credit Hours.
The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

Spanish
SPAN 1411. Beginning Spanish I. 4 Semester Credit Hours.
Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level.

SPAN 1412. Beginning Spanish II. 4 Semester Credit Hours.
Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level.

SPAN 2311. Intermediate Spanish I. 3 Semester Credit Hours.
The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

SPAN 2312. Intermediate Spanish II. 3 Semester Credit Hours.
The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

Speech
SPCH 1311. Introduction to Speech Communication. 3 Semester Credit Hours.
Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.

SPCH 1315. Public Speaking. 3 Semester Credit Hours.
Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

SPCH 1318. Interpersonal Communication. 3 Semester Credit Hours.
Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors.

SPCH 1321. Business & Professional Communication. 3 Semester Credit Hours.
Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats.
General Education / Lower Level Courses - T

Early Childhood Education

TECA 1303. Families, School, & Community. 3 Semester Credit Hours. 
A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes a minimum of 16 hours of field experiences.

TECA 1354. Child Growth & Development. 3 Semester Credit Hours. 
A study of the physical, emotional, social, language, and cognitive factors impacting growth and development of children through adolescence.
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