TEXAS A&M UNIVERSITY CENTRAL TEXAS

2016-2017 UNIVERSITY CATALOG
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GENERAL INFORMATION

OVERVIEW

Texas A&M University-Central Texas was born in the spirit of community cooperation, as Tarleton-Central Texas became a stand-alone university on May 27, 2009, as a member of the Texas A&M University System.

A&M-Central Texas is home to the Warriors and is a military friendly, upper-level institution offering bachelor’s and master’s degrees.

The student population at A&M-Central Texas is diverse and growing, currently serving over 2,500 students. Classes are offered at several convenient sites, including area community colleges and Fort Hood. The university provides a wide range of flexible course schedules, including online, night, and weekend classes. The home of A&M-Central Texas is located on 662 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. Construction on the first building, a 103,000-square foot multipurpose facility, began in August of 2010 and was completed in the spring of 2012.

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 also a member of GoArmyEd, the 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 soldier progress.

New A&M-Central Texas students are required to complete application for admission, then make an appointment with an academic advisor to review degree plans. For current students, registration is available online. There are also programs available to assist students with academic advising, special needs, tutoring, counseling, medical needs, and career services.

Academic Calendars and Final Examination Schedules

To access the University Calendar, please click on the link above.

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

To create a culture of excellence for our students, faculty, and staff.

Mission

Texas A&M University–Central Texas is an upper level university offering junior and senior-level coursework needed to successfully complete baccalaureate degrees and all coursework leading to the completion of graduate degrees. The University is committed to high quality, rigorous, and innovative learning experiences, and prepares students for lifelong learning through excellence in teaching, service, and scholarship.

Core Values

- EXCELLENCE & 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 Scholarly Achievement

Fostering a Sense of Community

Board of Regents and Administration

Texas A&M University-Central Texas Administration

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<td>President</td>
<td>Dr. Marc A. Nigliazzo</td>
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<td>Dr. Peg Gray-Vickrey</td>
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<td>Ms. Gaylene Nunn</td>
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Texas A&M University System

Board of Regents

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<td>Mr. Cliff Thomas (Chairman)</td>
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<td>Ms. Elaine Mendoza (Vice Chairman)</td>
<td>San Antonio</td>
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<td>Mr. Phil Adams</td>
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<td>Mr. Robert L. Albritton</td>
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<td>Mr. Anthony G. Buzbee</td>
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<td>Mr. Morris Foster</td>
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<td>Mr. Bill Mahomes</td>
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<td>Ms. Judy Morgan</td>
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<tr>
<td>Mr. Charles W. Schwartz</td>
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<td>Ms. Stephanie Y. Martinez (Student Regent)</td>
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Academic institutions under the direction of The Board of Regents of The Texas A&M University System include:

- Texas A&M University
- Prairie View A&M University
- Tarleton State University
- Texas A&M Health Science Center
- 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

Other agencies and programs in The Texas A&M University System are:

- Texas A&M Health Science Center
- Texas A&M AgriLife Research
- Texas A&M Engineering Experiment Station
- Texas A&M AgriLife Extension Service
- Texas A&M System Sponsored Research Services
- Texas A&M Forest Service
- Texas A&M Engineering Extension Service
- Texas A&M Transportation Institute
- Texas A&M Veterinary Medical Diagnostic Laboratory
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 the university police officer. Callers should let the 911 operator know the emergency is located on A&M-Central Texas’s 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.

Each year, A&M-Central Texas prepares a report to comply with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. The report includes information regarding University rules, reported campus crime statistics, crime awareness and prevention, and important contact information. The most recent report is available on the A&M-Central Texas website at https://www.tamuct.edu/departments/security/clery.php

Office: University Police
Location: Founders Hall, Room 103
Telephone: 254-501-5800
Fax: 254-501-5806
E-mail Address: charles.rodriguez@tamuct.edu
Web Address: http://www.tamuct.edu/police
Chief of Police: Charles Rodriguez
Expenses

New Tuition and Mandatory Fee Rate Plans for 2015-2016

In the 2014-2015 year, Texas A&M University-Central Texas implemented The Warrior Guarantee, a guaranteed tuition and mandatory fee plan, which allows our students to effectively plan for the cost of their education. All students enrolled prior to Fall 2015 were automatically enrolled in The Warrior Guarantee until such time as their consecutive semesters outlined in the plan have ended.

Beginning with Fall 2016, incoming students have the option to enroll in The Warrior Guarantee or to select the new Variable Rate Plan. The Variable Rate Plan is effective for one academic year only.

Which plan should you choose?

Incoming students will need to decide which plan best meets their financial needs. The following discussion provides more information about each of the plans to aid in the decision-making process. The specific dollar amounts for all plans can be found at the following link: https://www.tamuct.edu/departments/business-office/tuition-fees.php

The Variable Rate Tuition Plan

Under the Variable Rate Tuition Plan, tuition and fee rates are established for an academic year and are subject to increase or decrease based on economic conditions, Board of Regents action, and/or legislative requirements. This plan is best suited for those students who plan to enroll and graduate within the same academic year.

The Warrior Guarantee

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/departments/business-office/tuition-fees.php

Explanation of Fees

The following expenses are required of all students. The 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 of 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 to provide numerous services such as the library, computer labs, support for classroom technology, and 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 for 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**
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.

**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 on 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, $100 for spring and fall will only be charged to individuals who are taking face-to-face courses who have an assigned course that is designated to 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 2 transcripts are free.

**Payment of Fees**
All the aforementioned fees must be paid by a designated date, stated on a student's bill. Student account information is available thru Warrior Bill Pay via Warrior Web - 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 thru Warrior Bill Pay via Warrior Web. 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>Session Duration</th>
<th>Refund 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>
</tbody>
</table>
After the 20th class day 0%

Session greater than 5 weeks and less than 10 weeks

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to 1 class day</td>
<td>100%</td>
</tr>
<tr>
<td>1st, 2nd, 3rd, 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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></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>

Withdrawal 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:

Pre-Defined Table

<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 seventh week</td>
</tr>
<tr>
<td>15 - 16 weeks</td>
<td>Twelfth class day</td>
<td>Friday of eleventh 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.

The A&M-Central Texas’ refund policy is in accordance with the mandates of the state of Texas.

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 Section 54.052 of the Texas Education Code, the following persons shall be classified as Texas residents and 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 receive 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.
   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, AND
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. Often times, 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 link below:
http://www.collegeforalltexas.com/index.cfm?ObjectID=6D1466D9-AEA5-DE00-C12F3F75E7367718

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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 the 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 [www.fafsa.gov](http://www.fafsa.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 2015-2016 is $5,775.

**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 [http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=458](http://www.collegeforalltexans.com/apps/financialaid/tofa2.cfm?ID=458). The maximum TEXAS Grant awards for 2015-2016 is $5,500.

**Texas Public Education Grant (TPEG)**

Texas resident undergraduate and graduate students may be eligible for up to $1200 ($400 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 $2100 ($700 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) to help pay their child’s education expenses as long as specific eligibility requirements are satisfied. To be eligible for a PLUS Loan, you must not have an adverse credit history, which the Department will check for when you apply for the loan.

**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 (covers only tuition and fee charges) 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 be eligible to participate in 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 and more. 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 & 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 http://www.tamuct.edu/departments/financialaid/scholarshiplist.php

Consortium Agreement

The Financial Aid Consortium Agreement is intended to assist students who enroll in less than 12 semester credit hours at A&M-Central Texas and concurrently enroll in at least 3 semester credit hours at a partnering host institution during the same academic semester. Once the agreement is processed, A&M-Central Texas may recognize semester credit hours taken at a partnering institution to meet financial aid enrollment requirements at A&M-Central Texas.

Eligibility requirements: Must be a degree-seeking student at A&M-Central Texas, Enrolled in at least 3 semester credit hours at A&M-Central Texas, Enrolled in at least 3 semester credit hours at an eligible Host institution, Semester credit hours at host institution must count towards the completion of your A&M-Central Texas degree, 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 timeframe before completing their course of study and may need to appeal the timeframe 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
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.

Because students must meet the SAP standards to be eligible for first-time financial aid consideration, students who attempted previous semesters but did not apply for aid are not eligible to receive aid under a warning semester initially.

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>Student Other</th>
<th>Course</th>
<th>Breakage</th>
<th>Testing</th>
<th>Parking</th>
<th>Room</th>
<th>Board</th>
<th>Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
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<td></td>
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Children of POWs and MIAs (Texas Education Code 54.209)

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Student Other</th>
<th>Course</th>
<th>Breakage</th>
<th>Testing</th>
<th>Parking</th>
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<th>Board</th>
<th>Books</th>
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Dependents of Fireman and Police (Texas Education Code 54.204)

<table>
<thead>
<tr>
<th>Tuition</th>
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<th>Course</th>
<th>Breakage</th>
<th>Testing</th>
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<th>Board</th>
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Hazlewood-Texas Veterans dependent children and spouse of Texas Veterans (Texas Education Code 54.203)

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Student Other</th>
<th>Course</th>
<th>Breakage</th>
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<th>Board</th>
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</table>

Foster Care Children (Texas Education Code 54.211)

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

<table>
<thead>
<tr>
<th></th>
<th>Tuition</th>
<th>Student Service</th>
<th>Course Mandatory</th>
<th>Other Mandatory</th>
<th>Total Mandatory</th>
<th>Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expected</td>
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<td>X</td>
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</tbody>
</table>

### Students of Other Nations of American Hemisphere (Texas Education Code 54.207)

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<tr>
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<th>Student Service</th>
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</tr>
</tbody>
</table>

### Valedictorian (Texas Education Code 54.201)

<table>
<thead>
<tr>
<th></th>
<th>Tuition</th>
<th>Student Service</th>
<th>Course Mandatory</th>
<th>Other Mandatory</th>
<th>Total Mandatory</th>
<th>Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expected</td>
<td>X</td>
<td></td>
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</tbody>
</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 Financial Aid Office prior to registration.

### Survivor of Public Servant (Killed in the line of Duty) (Texas Government Code 615.0225 & 615.003)

<table>
<thead>
<tr>
<th></th>
<th>Tuition</th>
<th>Student Service</th>
<th>Course Mandatory</th>
<th>Other Mandatory</th>
<th>Total Mandatory</th>
<th>Books</th>
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</thead>
<tbody>
<tr>
<td>Expected</td>
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</table>

### Senior Citizen (6 SCH Limit) (Texas Education Code 54.210)

<table>
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<tr>
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<th>Student Service</th>
<th>Course Mandatory</th>
<th>Other Mandatory</th>
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### Good Neighbor Scholarship Program (Texas Education Code 54.207)

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<tr>
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### Nursing Faculty/Staff (Texas Education Code 54.221)

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### Clinical Preceptor (Limit $500) (Texas Education Code 54.222)

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### Firefighters Taking Fire Science Curriculum (Texas Education Code 54.208)

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<tbody>
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</table>
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 account number (SSAN), that individual must also be advised whether that disclosure is mandatory or voluntary, by what statutory or other authority the number is solicited, and what uses will be made of it.

Accordingly, applicants for admission are advised that disclosure of a student’s SSAN 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 SSAN. It is used to verify the identity of the student, and as a student account number (identifier) to record necessary data accurately. As an identifier, the SSAN is used for such activities as determining and recording eligibility for admission as a student; reporting initial physical examinations; determining and recording assessments and payments of student fees and charges; determining and recording eligibility for student financial assistance including loans, scholarships, grants, allowances, and official student travel and per diem; recording student grades and related academic data; determining and recording eligibility for participation in Reserve Officers Training Corps programs and in athletic, rodeo, and similar events; registering private vehicles and issuing parking permits; issuing student identification cards; recording issue and return of library books and other materials; registering for placement services, including resume preparation and furnishing information to prospective employers; and other such related requirements that might arise. A&M-Central Texas has for several years consistently requested disclosure of the SSAN on student application forms and other necessary student forms and documents used pursuant to statutes passed by the State of Texas and United States and 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.

If a student chooses not to disclose his/her SSAN, he/she may request a random number to be assigned to his/her records while attending A&M-
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 correct a student’s education records when the records are inaccurate, misleading or otherwise in violation of the student’s privacy rights under FERPA;
4. The right to report violations of FERPA to the Department of Education;
5. The right to be informed about FERPA rights.

All the rights and protections given students under FERPA belong to the student; 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 parent’s/legal guardians as defined under Section 152 of the Internal Revenue Code of 1986.

Records Not Available Under FERPA
Students shall have access to all of their educational 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, if the student has waived his or her right to inspect and review the letters or statements.

6. Confidential letter and statements of recommendation which were placed in the educational 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 the Family Educational Rights and Privacy Act (FERPA) may be referred to the Compliance Officer.

Certification for Dependency
Under provisions of the Family Educational Rights and Privacy Act (FERPA), students enrolled in post-secondary educational institutions are deemed to “own” their educational 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 educational 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 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 in to 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 Ch. 37’s prohibition on hazing 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.
Veteran Affairs

Ted And Diane Connell Veterans Affairs Center

The Ted and Diane Connell Veteran Affairs Center assists student Veteran, service members, and their families utilize Veteran Affairs (VA) education, military tuition assistance benefits, and successfully transition to student life. The Veteran Affairs Center houses Veteran Benefits Advisors (School Certifying Officials), and our VetSuccess on Campus Program Counselor, Vet Center Representative, and VA Work Study Participants.

Staff is available to answer questions about veterans' education benefits and military tuition assistance, certify enrollments, 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 veteran’s education benefits may require the student to verify his/her enrollment status in order for VA to release his/her monthly payments. Please note that the earliest that enrollment for a month may be verified is the last day of that month.

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 www.gibill.va.gov (http://www.gibill.va.gov) (http://benefits.va.gov/gibill/), for additional information regarding your education benefits or the Vet success on Campus counselor.

The Veterans Affairs 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

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 assist Veterans to transition to college life and to successfully complete their educational programs. The VA has placed a full-time, experienced Vocational Counselor on the A&M-Central Texas campus. The counselor will serve 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.
### Important Campus Numbers

<table>
<thead>
<tr>
<th>Department</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Business Office</td>
<td>254.519.5455</td>
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<tr>
<td>College of Arts and Sciences</td>
<td>254.519.5441</td>
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<tr>
<td>College of Business Administration</td>
<td>254.519.5437</td>
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<td>College of Education</td>
<td>254.519.5485</td>
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<td>Help Desk Central</td>
<td>254.519.5466</td>
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<td>Counseling Services</td>
<td>254.501.5956</td>
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<td>Department of Public Safety</td>
<td>254.501.5800</td>
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<td>Employee Services</td>
<td>254.519.8610</td>
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<td>Fort Hood Office</td>
<td>254.532.9066</td>
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<td>Graduate Admissions</td>
<td>254.519.5468</td>
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<td>University Switchboard</td>
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<td>Library</td>
<td>254.519.5798</td>
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<tr>
<td>Military Science</td>
<td>254.519.5701</td>
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<td>Media Inquiries</td>
<td>254.519.5491</td>
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<td>President’s Office</td>
<td>254.519.5765</td>
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<tr>
<td>Provost and Vice President for Academic and Student Affairs</td>
<td>254.519.5447</td>
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<tr>
<td>Registrar’s Office</td>
<td>254.501.5857</td>
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<td>Student Affairs</td>
<td>254.501.5909</td>
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<td>Student Financial Assistance</td>
<td>254.501.5854</td>
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<td>Undergraduate Academic Advising</td>
<td>254.501.5856</td>
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<td>Undergraduate Admissions</td>
<td>254.519.5438</td>
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<td>University Bookstore</td>
<td>254.200.1447</td>
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<td>Veterans Affairs Center</td>
<td>254.519.5423</td>
</tr>
<tr>
<td>Vice President for Finance and Administration</td>
<td>254.519.5498</td>
</tr>
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REGISTRATION AND RECORDS

Mission
As an integral component of the Division of Enrollment Management, the Office of the Registrar exists to compliment the educational goals of the University, and the mission of the Division of Enrollment Management. The Office of the Registrar is dedicated to providing registration and academic record services in a professional, respectful, and supportive environment for prospective, current, and former students. The Office of the Registrar provides accurate interpretations of TAMU system policies and rules and TAMUCT rules and procedures. We are also committed to providing the necessary and unique support services to the members of our military community. We support the expansion of the use of technology to better serve our diverse population.
**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 unless 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 that will result in remaining in Good Standing. A 2.0 total institutional GPA is the lowest acceptable academic standard. The total institution 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 institution GPA is considered to be in Good Standing.

Reapplying 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.

**Academic Probation**

A student on Academic Warning who maintains a total institutional GPA between 1.00 and 1.99 at the end of any fall or spring semester will be placed on Academic Probation.

**Academic Suspension**

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

A student on Academic Probation who earns less than a 2.00 total institution GPA at the end of the next long semester will be suspended.

**Suspension Notification Process**

At the end of each long semester, the Department of Undergraduate Academic Advising will send an official letter to undergraduate students who have been placed on suspension. The letters serve as official documentation to ensure that 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.

**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 www.tamuct.edu/StudentConduct 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 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 an 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 University Identification Number (UIN) of the student.
   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.
   f. Signature of student and date submitted.

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

4. A student dissatisfied with the decision of the department chair may appeal in writing to the college’s academic appeals committee within 15 calendar days after 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.
Length of Suspension

1st suspension – one long semester.

2nd suspension – one calendar year.

3rd 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 that 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 is at the discretion of 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, but must request a Contract for Conditional Enrollment each semester until they achieve good standing.

Contact Information for appointments:
Undergraduate Academic Advising
(254) 501-5856
ug.advising@tamuct.edu

A student who is suspended from A&M-Central Texas is advised not to take college courses 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 reenrolled and will be on academic warning for 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 for 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 that resulted in poor academic performance and ultimate suspension and how the student plans to ensure that he/she remains in good standing;

• Make an appointment with the college academic counselor to discuss courses they should take that will ensure they can return to good academic standing;
• Make an appointment with the academic dean after seeing the academic counselor to discuss terms of re-enrollment that will ensure they can return to good academic 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 one or more courses under the following conditions:

1. Application to audit a course must be made through the Registrar’s Office. Approval of the request will be at the discretion of the University Registrar, and a record of audit enrollment is kept in the Registrar’s Office.
2. Written consent from the instructor and department chair or college dean is required prior to attendance in class.
3. Space and any required instructional equipment must be available. Evaluation of audit requests may be postponed until the end of registration if there are questions about availability.
4. The extent of the student’s participation in the activities of the class is at the discretion of the instructor and is to be designated prior to enrollment.
5. No student may audit a course offered on an individual instruction basis.
6. To receive university credit from a previously-audited class, the student must retake the class for a grade and pay the appropriate fees.

An audit fee is required for each course at the time the request is submitted. In addition to the audit fee, audit students must pay any laboratory fee, course fee, practice fee, or other fee stipulated for the course. Fees associated with an audit request are non-refunded unless A&M-Central Texas denies the audit request.

Graduation under a Particular Catalog

To receive a degree from A&M-Central Texas, a student must complete all requirements for a degree as set forth in a particular university catalog. The student has the following options:

1. Complete all requirements of the catalog in force at the time the student first enrolled at A&M-Central Texas.
2. Complete all the requirements of the catalog in force at the time the student first enrolled in higher education if the student is a transfer to A&M-Central Texas. A student who pre-registers for the first time in the spring for the following fall may choose to meet the requirements of the catalog in force that spring.
3. Complete all the requirements of the catalog in force for any subsequent year that the student is registered at A&M-Central Texas.
These options are subject to the condition that all degree requirements must be completed within six (6) years of the date of the catalog selected. For example, a student who chooses to graduate under the requirements of the 2016-17 catalog must complete all requirements for the degree under that catalog prior to August 2022 graduation. (In the event students serve on active duty with the Armed Forces of the United States between the dates of their matriculation and graduation, the six-year limit will be extended one year for each year of active duty served, up to a maximum of four years.)

**Class Attendance**

The University strongly encourages class attendance and participation as a means to acquire knowledge. Establishing specific policies is the prerogative of each individual faculty member. A written attendance policy should be available for each class at the start of each semester outlining if and when make-up work will be accepted. 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 who participate in university-sponsored activities are responsible for obtaining a written explanation for their absence from the faculty/staff member who is responsible for the activity.

**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; however, as a rule, courses completed without such approval may not apply toward degree requirements at A&M-Central Texas. Written permission from the department chair or the academic dean is required prior to concurrent enrollment in extension course work 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 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>18 hours</td>
<td>12 hours</td>
<td>12 hours</td>
<td>8 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>

**Graduate**

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
<th>16 Week (Fall/Spring)</th>
<th>10 Weeks (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>

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

**Degree Plan Information**

Undergraduate students must file a degree plan before registration. Initial degree plans are filed during a student's first academic advising meeting after admission to the University.

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 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. 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 credit toward their degree.

**Holds on Registration and Release of Records**

Any student who fails to meet all obligations to the university such as, incomplete admissions records, orientation hold, library books, or who has an outstanding financial obligation to the university, will have a HOLD placed on his or her record. Until the hold is removed, such students
Drops and Withdrawals

Dropping a Course

A student who wishes to drop a course must submit a completed Drop Request Form [link to form] to the Office of the Registrar. The date the form is received by the Office of the Registrar is the effective course drop date.

Note: The final day for dropping courses is identified in the university calendar.

Withdrawal from the University

An application for withdrawal from the university must be initiated in the Office of the Registrar.

1. Refer to the census chart below to determine the last day for dropping courses and the last day to withdraw from the university.
2. A student who withdraws on or before the last day to drop courses will receive a grade of W in all courses.
3. A student who withdraws after the last day to drop courses will receive a grade of WF in all courses. The student may appeal to the instructor of each class for a change of grade from WF to W if he/she was passing at the time of withdrawal.
4. A student who fails to officially withdraw will receive a grade of F in all courses in progress.
5. In circumstances where in-person withdrawal is not feasible, the student should call or write the Office of the Registrar and request an "Official Withdrawal Request Form" from the registrar. All refunds are subject to this policy.
6. The refund policy established by the State of Texas is listed under "Refunds" in this catalog. All refunds are subject to this policy.
7. A student who withdraws from the university will be required to reapply and be readmitted before registering for future terms.

Pre-Defined Table

<table>
<thead>
<tr>
<th>Length of Class 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 weeks</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 seventh 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

Honors Roll and Distinguished Student Recognition

An "A" HONOR ROLL is published at the end of each semester listing students who have completed 12 credit hours or more and have earned A's in all courses taken for credit.

At the end of each semester, students in good standing who have completed 12 credit hours or more with a cumulated grade point average of 3.50 or higher and who have earned no grade below C in all courses taken for credit, shall be designated as Distinguished Students.

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>Sophomore</td>
<td>30–59</td>
</tr>
<tr>
<td>Junior</td>
<td>60–89</td>
</tr>
<tr>
<td>Senior</td>
<td>90 or more</td>
</tr>
<tr>
<td>Post-baccalaureate</td>
<td>Hold a baccalaureate degree but is not admitted for graduate degree</td>
</tr>
<tr>
<td>Graduate</td>
<td>Hold a baccalaureate degree and is pursuing a graduate degree</td>
</tr>
</tbody>
</table>

Tuition Rebate

A $1,000 tuition rebate from the State of Texas is offered to qualifying students who graduate from A&M-Central Texas with a bachelor's degree. Detailed information regarding graduating in a timely manner and other requirements to qualify for the tuition rebate can be found at [link]. Students wishing to apply for the tuition rebate must submit the Tuition
Rebate form (https://tamuct.blackboard.com/bbcswebdav/institution/studentforms/TuitionRebate.pdf) prior to receiving their degree. Additional information is available from the Office of the Registrar.
UNDERGRADUATE INFORMATION

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.

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 receive notice of admission after the priority deadline can still enroll in the 2nd 8-week courses.

Fall 2016

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Application Availability</th>
<th>Admissions Priority Deadline</th>
<th>Admissions Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer</td>
<td>October 26, 2015</td>
<td>August 10, 2016</td>
<td>October 14, 2016</td>
</tr>
<tr>
<td>Returning</td>
<td>October 26, 2015</td>
<td>August 10, 2016</td>
<td>October 14, 2016</td>
</tr>
<tr>
<td>Transient</td>
<td>October 26, 2015</td>
<td>August 10, 2016</td>
<td>October 14, 2016</td>
</tr>
<tr>
<td>International Transfer</td>
<td>October 26, 2015</td>
<td>August 10, 2016</td>
<td>October 14, 2016</td>
</tr>
</tbody>
</table>

Spring 2017

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Application Availability</th>
<th>Admissions Priority Deadline</th>
<th>Admissions Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer</td>
<td>March 16, 2016</td>
<td>January 5, 2017</td>
<td>March 15, 2017</td>
</tr>
<tr>
<td>Returning</td>
<td>March 16, 2016</td>
<td>January 5, 2017</td>
<td>March 15, 2017</td>
</tr>
<tr>
<td>Transient</td>
<td>March 16, 2016</td>
<td>January 5, 2017</td>
<td>March 15, 2017</td>
</tr>
<tr>
<td>International Transfer</td>
<td>March 16, 2016</td>
<td>November 1, 2016</td>
<td>November 1, 2016</td>
</tr>
</tbody>
</table>

Summer 2017

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Application Availability</th>
<th>Admissions Priority Deadline</th>
<th>Admissions Deadline</th>
</tr>
</thead>
</table>

Transfer    | July 14, 2016          | May 22, 2017              | June 30, 2017         |
Returning (Readmit) | July 14, 2016 | May 22, 2017              | June 30, 2017         |
Transient   | July 14, 2016          | May 22, 2017              | June 30, 2017         |
International Transfer | July 14, 2016 | April 5, 2017            | April 5, 2017         |

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 session 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.

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) and College Level Examination Program (CLEP), ACT/SAT Subject Tests and International Baccalaureate Degree (IB). Undergraduate students who meet the below minimum required credit-granting score(s), 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 (upper-level credit consideration requires department approval).

- 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 (UXexcel) and the Defense Language Proficiency Test (DLPT) may also be considered for credit eligibility and will be reviewed on a case-by-case basis. For more information, please contact Undergraduate Admissions.
Advanced Placement

The Advanced Placement Program was created in cooperation with college and high school staffs and faculties. The examination reflects the material generally agreed upon to be appropriate for introductory course work at the college level. The table below displays 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>
<td>3</td>
<td>3</td>
<td>ARTS 1312</td>
</tr>
<tr>
<td>Studio Art: Drawing</td>
<td>3</td>
<td>3</td>
<td>ARTS 1316</td>
</tr>
</tbody>
</table>

### ENGLISH

<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>English Language and Composition</td>
<td>3</td>
<td>6</td>
<td>ENGL 1301; ENGL 1302</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>3</td>
<td>6</td>
<td>ENGL 1301; ENGL 1301; ENGL 2341 or ENGL 1301; ENGL 1302</td>
</tr>
</tbody>
</table>

### HISTORY AND SOCIAL SCIENCES

<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>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>6</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>
</tr>
<tr>
<td>United States History</td>
<td>3</td>
<td>6</td>
<td>HIST 1301; HIST 1302</td>
</tr>
<tr>
<td>World History</td>
<td>3</td>
<td>6</td>
<td>HIST 2321; HIST 2322</td>
</tr>
</tbody>
</table>

### MATH & COMPUTER SCIENCE

<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>Calculus AB</td>
<td>3</td>
<td>4</td>
<td>MATH 2413</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3</td>
<td>8</td>
<td>MATH 2413; MATH 2414</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>3</td>
<td>3</td>
<td>COSC 1309</td>
</tr>
<tr>
<td>Computer Science Principles</td>
<td>3</td>
<td>3</td>
<td>COSC 1301</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
<td>4</td>
<td>MATH 1442</td>
</tr>
</tbody>
</table>

### SCIENCES

<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</td>
<td>3</td>
<td>8</td>
<td>BIOL 1406; BIOL 1407</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>8</td>
<td>CHEM 1411; CHEM 1412</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>3</td>
<td>4</td>
<td>ENVR 1401</td>
</tr>
<tr>
<td>Physics C: Electricity and Magnetism</td>
<td>3</td>
<td>4</td>
<td>PHYS 2426</td>
</tr>
<tr>
<td>Physics 1: Algebra Based</td>
<td>3</td>
<td>4</td>
<td>PHYS 1401</td>
</tr>
<tr>
<td>Physics 2: Algebra Based</td>
<td>3</td>
<td>8</td>
<td>PHYS 1401; PHYS 1402</td>
</tr>
</tbody>
</table>

### 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>
<td>CHIN 1411; CHIN 1412</td>
</tr>
<tr>
<td>French Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>FREN 1411; FREN 1412</td>
</tr>
<tr>
<td>German Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>GERM 1411; GERM 1412</td>
</tr>
<tr>
<td>Italian Languages &amp; Culture</td>
<td>3</td>
<td>8</td>
<td>ITAL 1411; ITAL 1412</td>
</tr>
<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>
</tr>
</tbody>
</table>
### College Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) for the College Board of Educational Testing Services provides examinations to measure achievement in specific college-level courses. The below table displays CLEP examinations that may be accepted for lower-division credit, the credit hours granted, and the equivalent course(s).

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Credit Granting Score</th>
<th>Credit Hours Granted</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BUSINESS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>3</td>
<td>ACCT 2301</td>
</tr>
<tr>
<td>Information Systems</td>
<td>50</td>
<td>3</td>
<td>BCIS 1301</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>50</td>
<td>3</td>
<td>BUSI 2301</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>3</td>
<td>MGMT 13-</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>3</td>
<td>MRKG 13-</td>
</tr>
<tr>
<td><strong>Composition &amp; Literature</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>3</td>
<td>ENGL 2341</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
<td>50</td>
<td>3</td>
<td>ENGL 2342</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>6</td>
<td>ENGL 1301; ENGL 1302</td>
</tr>
<tr>
<td>College Composition Modular</td>
<td>50</td>
<td>3</td>
<td>ENGL 13-</td>
</tr>
<tr>
<td>English Literature</td>
<td>50</td>
<td>3</td>
<td>ENGL 2343</td>
</tr>
<tr>
<td>Humanities</td>
<td>50</td>
<td>3</td>
<td>HUMA 1301</td>
</tr>
<tr>
<td><strong>History &amp; Social Science</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Government</td>
<td>50</td>
<td>3</td>
<td>GOVT 2305</td>
</tr>
<tr>
<td>History of the United States I</td>
<td>50</td>
<td>3</td>
<td>HIST 1301</td>
</tr>
<tr>
<td>History of the United States II</td>
<td>50</td>
<td>3</td>
<td>HIST 1302</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>50</td>
<td>3</td>
<td>PSYC 2314</td>
</tr>
<tr>
<td>Introduction to Education Psychology</td>
<td>50</td>
<td>3</td>
<td>PSYC 1300</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>50</td>
<td>3</td>
<td>PSYC 2301</td>
</tr>
<tr>
<td><strong>Science &amp; Mathematics</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>50</td>
<td>6</td>
<td>BIOL 1306; BIOL 1307</td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<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; MATH 13-</td>
</tr>
<tr>
<td>Natural Science</td>
<td>50</td>
<td>6</td>
<td>PHYS 1315; PHYS 1317</td>
</tr>
<tr>
<td>Precalculus</td>
<td>50</td>
<td>3</td>
<td>MATH 2312</td>
</tr>
<tr>
<td><strong>World Languages</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>French Language Level 1</td>
<td>50</td>
<td>6</td>
<td>FREN 1311; FREN 1312</td>
</tr>
<tr>
<td>French Language Level 2</td>
<td>50</td>
<td>12</td>
<td>FREN 1311; FREN 1312</td>
</tr>
<tr>
<td>German Language Level 1</td>
<td>50</td>
<td>6</td>
<td>GERM 1311; GERM 1312</td>
</tr>
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<td>GERM 1311; GERM 1312</td>
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<td>Spanish Language Level 2</td>
<td>50</td>
<td>12</td>
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<tr>
<td><strong>ACT/SAT Subject Tests</strong></td>
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</tbody>
</table>

Course credit may be awarded to students who score high on the below listed ACT/SAT Subject Tests.
## ACT/SAT Subject Test Credit and Course Equivalency Guide

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Credit Granting Score</th>
<th>Credit Hours Granted</th>
<th>Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT Subject Test - English</td>
<td>28</td>
<td>3</td>
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</tr>
<tr>
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</tr>
<tr>
<td>SAT Subject Test - English (March 2016 and forward)</td>
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<td>3</td>
<td>ENGL 1301</td>
</tr>
<tr>
<td>ACT Subject Test - Math</td>
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<td>MATH 1314</td>
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<tr>
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### 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>Credit Granting Score</th>
<th>Credit Hours Granted</th>
<th>Equivalent Course</th>
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<td>BIOL 1406</td>
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<tr>
<td>Chemistry SL</td>
<td>4+</td>
<td>4</td>
<td>CHEM 1411</td>
</tr>
<tr>
<td>Chemistry HL</td>
<td>4+</td>
<td>8</td>
<td>CHEM 1411, 1412</td>
</tr>
<tr>
<td>Economics SL</td>
<td>4+</td>
<td>3</td>
<td>ECON 2301</td>
</tr>
<tr>
<td>English SL or HL</td>
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<td>ENGL 1401, 1402</td>
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<tr>
<td>French SL or HL</td>
<td>4+</td>
<td>6</td>
<td>FREN 1411, 1412</td>
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<tr>
<td>German SL or HL</td>
<td>4+</td>
<td>8</td>
<td>GERM 1411, 1412</td>
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<tr>
<td>History SL or HL</td>
<td>4+</td>
<td>8</td>
<td>HIST 1301, 1302</td>
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<tr>
<td>Music SL or HL</td>
<td>4+</td>
<td>3</td>
<td>MUSI 1311</td>
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<tr>
<td>Mathematical Studies SL</td>
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<td>3</td>
<td>MATH 1332</td>
</tr>
<tr>
<td>Mathematics SL</td>
<td>4+</td>
<td>3</td>
<td>MATH 1314</td>
</tr>
<tr>
<td>Mathematics HL</td>
<td>4+</td>
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<td>4</td>
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<td>Physics HL</td>
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<td>PHYS 1401, 1402</td>
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<tr>
<td>Social and Cultural Anthropology</td>
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## General Education Core Requirements

All degree programs leading to the baccalaureate degree include the following university general education requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Communication-010</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science-030</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy/Language/Culture-040</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts-050</td>
<td>3</td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>6</td>
</tr>
<tr>
<td>Political Science-070</td>
<td>6</td>
</tr>
<tr>
<td>Social/Behavioral Science-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

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 the subject, occasion, and audience.

### Mathematics – 020

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 to everyday experience.

### Natural Science – 030

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

### Humanities – 040

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.

### Visual and Performing Arts – 050

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 enable critical, creative, and innovative communication about works of art.

### U.S. History – 060
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 the interaction among individuals, communities, states, the nation, and the world, considering how these interactions have contributed to the development of the United States and its global role.

**Political Science – 070**

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 their political and philosophical foundations.

**Social and Behavioral Sciences – 080**

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, examining their impact on the individual, society, and culture.

**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 and this could require 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; it may not be an applied or performance course.

**Communications - 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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<td>ENGL 1302</td>
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**Mathematics-020**

<table>
<thead>
<tr>
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<td>College Algebra</td>
</tr>
<tr>
<td>MATH 1316</td>
<td>Plane Trigonometry</td>
</tr>
<tr>
<td>MATH 1324</td>
<td>Mathematics for Business &amp; Social Sciences</td>
</tr>
<tr>
<td>MATH 1325/1425</td>
<td>Calculus for Business &amp; Social Sciences</td>
</tr>
<tr>
<td>MATH 1332</td>
<td>Contemporary Mathematics</td>
</tr>
<tr>
<td>MATH 1342/1442</td>
<td>Elementary Statistical Methods</td>
</tr>
<tr>
<td>MATH 2305</td>
<td>Discrete Mathematics</td>
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<tr>
<td>MATH 2312/2412</td>
<td>Pre-Calculus Math</td>
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<tr>
<td>MATH 2313/2413</td>
<td>Calculus I</td>
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<td>MATH 2314/2414</td>
<td>Calculus II</td>
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<td>MATH 2315/2415</td>
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<tr>
<td>MATH 2318/2418</td>
<td>Linear Algebra</td>
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<td>MATH 2320/2420</td>
<td>Differential Equations</td>
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<tr>
<td>MATH 2321/2421</td>
<td>Differential Equations and Linear Algebra</td>
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<tr>
<td>PSYC 2317</td>
<td>Statistical Methods in Psychology</td>
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**Life & Physical Science-030**

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<td>Agronomy</td>
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<tr>
<td>ÁGRI 1115/1315/1415/HORT 1101/1301/1401</td>
<td>Horticulture</td>
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<tr>
<td>ÁGRI 1119/1319/1419</td>
<td>Introductory Animal Science</td>
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<tr>
<td>ASTR/PHYS 1103/1303/1403</td>
<td>Stars and Galaxies</td>
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<tr>
<td>ASTR/PHYS 1104/1304/1404</td>
<td>Solar System</td>
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<tr>
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<td>BIOL 1111/1311/1411</td>
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<tr>
<td>BIOL 1113/1313/1413</td>
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<tr>
<td>BIOL 2101/2301/2401</td>
<td>Anatomy &amp; Physiology I</td>
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<td>BIOL 2116/2316/2416</td>
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<tr>
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<tr>
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<tr>
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## Creative Arts-050

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<tbody>
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</tr>
<tr>
<td>ARCH 1302</td>
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<tr>
<td>ARCH 1303</td>
<td>Architecture Design I</td>
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<td>Design II (3-dimensional)</td>
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<td>ARTS 2323</td>
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<td>Art Metals I</td>
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## American History-060

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<tr>
<td>HIST 2301</td>
<td>Texas History</td>
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<td>HIST 2327</td>
<td>Mexican-American History I</td>
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<td>HIST 2381</td>
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## Government / Political Science-070

<table>
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## Social & Behavioral Science-080

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<td>Introduction to Agricultural Economics</td>
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<td>Introduction to Mass Communication</td>
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<td>COMM 1335</td>
<td>Introduction to Electronic Media</td>
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<tr>
<td>CRIJ 1301</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>CRIJ 1306</td>
<td>Court Systems &amp; Practices</td>
</tr>
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<td>CRIJ 1307</td>
<td>Crime in America</td>
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<td>CRIJ 1310</td>
<td>Fundamentals of Criminal Law</td>
</tr>
<tr>
<td>CRIJ 2313</td>
<td>Correctional Systems &amp; Practices</td>
</tr>
<tr>
<td>CRIJ 2328</td>
<td>Police Systems &amp; Practices</td>
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<tr>
<td>ECON 1301</td>
<td>Introduction to Economics</td>
</tr>
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<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
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<td>Lifespan Growth &amp; Development</td>
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<td>Psychology of Adjustment</td>
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<td>Marriage &amp; the Family</td>
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<td>SOCI 2336</td>
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<td>SOCI 2340</td>
<td>Drug Use &amp; Abuse</td>
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<td>Families, School, &amp; Community</td>
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### University Options-090

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<td>Principles of Financial Accounting</td>
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<td>Principles of Managerial Accounting</td>
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<td>Computers in Agriculture</td>
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<td>AGRI 1329</td>
<td>Principles of Food Science</td>
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<td>BCIS 1305/ 1405</td>
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<td>BIOL 1322/ HECO 1322</td>
<td>Nutrition &amp; Diet Therapy</td>
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<td>BUSI 1307/ HECO 1307</td>
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<td>BUSI 2304</td>
<td>Business Report Writing &amp; Correspondence</td>
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<td>Principles of Journalism</td>
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<td>COMM 2304</td>
<td>Introduction to Cinematic Production</td>
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<td>COMM 2311</td>
<td>Media Writing</td>
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<td>COMM 2315</td>
<td>News Reporting</td>
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<td>Introduction to Public Relations</td>
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<td>COSC 1301</td>
<td>Microcomputer Applications</td>
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<td>COSC 1320/ 1420</td>
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<td>COSC 1336/ 1436</td>
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<td>COSC 1337/ 1437</td>
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<td>COSC 2325/ 2425</td>
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<td>COSC 2336/ 2436</td>
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<td>Community Resources in Corrections</td>
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<td>Criminal Investigation</td>
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<td>Personal/Community Health</td>
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<td>PHED 1321</td>
<td>Coaching/Sports/Athletics I</td>
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<td>Physical Education for Elementary Education Majors</td>
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<td>Concepts of Physical Fitness</td>
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<td>PHED 1346</td>
<td>Drug Use &amp; Abuse</td>
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<td>PHED 2356</td>
<td>Care and Prevention of Athletic Injuries</td>
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<td>Voice &amp; Diction</td>
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<td>Discussion &amp; Small Group Communication</td>
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<td>Argumentation &amp; Debate</td>
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<tr>
<td>TEC A 1318</td>
<td>Wellness of the Young Child</td>
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Grade Forgiveness

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

- Grades for any one semester of A&M-Central Texas more than 5 years before a student’s current enrollment at A&M-Central Texas may be excluded for computation of total 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 grade point average. All courses and grades will continue to appear on the student’s transcript and to be counted toward restrictions in total number of withdrawals, fees for repeated courses, 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.

Immunizations

Requirements (for students enrolling in health-related courses)

Students enrolling in health-related courses that involve direct patient contact (nursing and clinical laboratory science) 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, clinical laboratory science, and some pre-med courses). Nursing and clinical laboratory science students are required to take the hepatitis series or sign a waiver.
- **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.

International Students

Along with the application, the applicant must include all previous university academic records officially translated in the English language. Applicants must provide official transcripts and evaluations of all previous university academic records. 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, grade point average, and diploma or degree earned as recommended by the National Council on the Evaluation of Foreign Educational Credentials. The Director of Undergraduate Admissions can provide a list of evaluation service providers, but it is the applicant’s responsibility to secure and pay for the evaluation and to make sure it is done early enough to meet admission deadlines.

The quality of the applicant’s prior secondary or collegiate-level work is judged from the scores attained. International applicants must submit SAT or ACT scores to be considered for admission. International applicants may be admitted if they have a score of 1110 or above on the SAT or 24 or above on the ACT. Those with SAT scores of 950-1110 or ACT of 20-23 may be considered based on the records provided.

The Test of English as a Foreign Language (TOEFL), administered by the Educational Testing Service, is required with a minimum score of 69 on the NEW Internet-based test, a minimum score of 190 on the computer-based test, or a minimum score of 520 on the paper-based test. Completion of six semester hours of regular first-year college English composition at an accredited college in the United States is required with a grade of C or better in each course will satisfy the TOEFL requirement.

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. Note that a copy of all financial statement documentation must be included with the admission packet. Check with the American Embassy for further details.

International applicants must submit two passport-style color photos taken within six months of application, a $100 (US) processing and admission fee and a $30 application fee. Both fees are non-refundable. Payment must be made by bank cashier’s check or credit card payable to A&M-Central Texas. A&M-Central Texas requires that all international students have medical insurance with coverage in the United States. The A&M system mandates that all international students must maintain medical insurance with coverage in the United States. Students will be automatically enrolled and charged for health insurance as part of their matriculation. Please contact the University Registrar for further information.

All application materials must be sent to the Director of Undergraduate Admissions in the Office of Undergraduate Admissions. Applications cannot be processed until all materials are received. The I-20 will be issued only after a formal admission letter has been issued by A&M-
Central Texas. All undergraduate students are required to meet Texas Success Initiative (TSI) assessment before registering for classes.

**Materials Needed for Application**

1. The State of Texas Common Application for Public Universities, 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 $30 non-refundable, and
4. Section of application form used to determine Texas residency for tuition purposes. Texas residency is determined in accordance with state law.

Each of the above items must be received before an application can be evaluated. Other documents may be requested as needed. Materials should be on file well in advance of registration. Students are encouraged to apply on or before the following dates:

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<th>Semester</th>
<th>Date</th>
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<tbody>
<tr>
<td>Fall Semester</td>
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</tr>
<tr>
<td>Spring Semester</td>
<td>November 1st</td>
</tr>
<tr>
<td>Summer Semester</td>
<td>April 1st</td>
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</table>

Materials submitted by applicants who do not enroll at A&M-Central Texas are destroyed after one calendar year. If a student applies for one semester and does not attend, he/she must complete a new application and pay the application fee again. Official documents received for a previous term may be added to the new file. If a student has completed course work since applying with A&M-Central Texas, he/she must provide final official transcripts and/or score reports.

**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, through experience completed at other colleges, and universities as well as in the workplace. 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 Service Schools, Military Occupational Specialties (MOSs), ratings, and other Military Job Training and Experience as recommended by the American Council on Education (ACE).
- Civilian education and training as recommended in the National Guide to Education Credit for Training Programs.
- Other achievements, to include certain types of civilian training, specialized training and work experience.
- Defense Language Proficiency Test (DLP).

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. 138).

For additional information regarding the military credit evaluation process, please see the Military Transcripts and Credit Evaluation (http://tamu-central-preview.courseleaf.com/undergraduate-information/military-credit-evaluation) in the catalog.

**Military Transcripts and Credit Evaluation**

A&M-Central Texas awards evaluated credit for military education and learning experiences at the request of the student after the time of admission. To initiate the official evaluation process (i.e., the evaluation of your military record for potential transfer credit), submit your official transcripts and/or military record to A&M-Central Texas. Transcripts may be submitted by using these websites:

1. Joint Service Transcripts (JST)
   - Go to https://jst.doded.mil/ and send your official transcript to Undergraduate Admissions at A&M-Central Texas.

2. Community College of the Air Force (CCAF) Transcript

3. Defense Language Institute Foreign Language Center
   - Go to www.dli.lc.edu and send your official transcript to Undergraduate Admissions at A&M-Central Texas.

4. DD-214 Certificate of Release or Discharge from Active Duty
   - Persons who have been granted honorable discharge from military service of the United States may be awarded up to 4 SCH of physical education credit. To initiate this request, submit your DD-214 to Undergraduate Admissions at A&M-Central Texas.

The university uses the American Council on Education (ACE) guidelines in the evaluation of these transcripts and may award credit only in areas offered within its current curriculum for eligible students.

Military students may also be awarded credit for specified levels of achievement on certain Credit By Examinations (http://catalog.tamuc-central.edu/undergraduate-information/credit-examination), which are typically taken during or shortly after time served in the military.

Please Note: Credit awarded for military education or experience may not be used for admission purposes. Students with technical credit based on military experience are encouraged to explore our Bachelor of Arts in Applied Science (BAAS) degree options (http://tamu-central-preview.courseleaf.com/undergraduate-programs/business-administration/management-marketing/baas-business-management).

**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
Readmission

Students who have previously attended A&M-Central Texas and are returning after an absence of one or more long semesters may apply for readmission. Applicants must submit an application for readmission, pay a $30 application fee, and be clear of all holds by A&M-Central Texas offices (police, business office, financial aid, academic affairs, library, etc.).

1. Students who have not enrolled at any other college or university since last attending A&M-Central Texas and are free of suspension/probation will be admitted.

2. Students who have enrolled at any other college or university since last attending A&M-Central Texas and who meet transfer requirements and are free of suspension/probation may be admitted with submission of updated transcripts.

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.

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 course work applied toward the degree requirements.

1. A minimum of 25 percent of course work 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 (300 or 400 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-level courses should be Freshman Composition I & II.

Application for Degree

1. A candidate for a degree must apply for the degree by submitting an “Application for Graduation” 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 failing to meet degree requirements in the semester in which they have applied to graduate must reapply and repay the graduation application processing fee.

2. 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.

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.tamuct.edu/departments/student-affairs/orientation.php 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.

Texas Success Initiative (TSI)

The Texas Education Code statute 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 College Ready if 5 on essay, or 4 on essay with 363 on multiple choice

**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:
   - 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:
     - ACT: composite score of 23 with a minimum of 19 on both the English and mathematics tests.
     - 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).
   - For a period of five (5) 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 mathematics test 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
   - 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.
   - 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.
   - A student who has previously attended any Texas public institution of higher education and met TSI readiness standards by that institution in (a) mathematics, (b) writing, and (c) reading.
   - 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 service as a member of a reserve component of the armed forces of the United States.
   - 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.
   - 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:
   - Exempt from the mathematics requirements of the TSI:
     - 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)
     - 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 March 2016 and after).

3. 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 mathematics section.

4. 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 mathematics, as indicated in Section 8 of the TSI Plan.

5. A student who has previously attended any Texas public institution of higher education and met TSI readiness standards by that institution in mathematics.
   - Exempt from the writing requirements of the TSI:
     - 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 the critical reading test (SAT administered prior to March 2016).
       - SAT: a minimum score of 480 on Evidence-Based Reading and Writing (EBRW) test (SAT administered March 2016 and after).
   - 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.
Transfer Credit and Evaluation

Texas A&M University-Central Texas will analyze credit accepted for transfer in terms of level, content, quality, comparability and degree program relevance. A&M-Central Texas will consider academic, collegiate-level coursework from regionally-accredited institutions. Coursework completed at a nationally-accredited institution, may be considered, as long as it represents academic, collegiate-level coursework, as determined by Undergraduate Admissions in consultation with the appropriate academic departments at A&M-Central Texas. Coursework completed at foreign institutions will be evaluated on an individual basis.

All transferable coursework (with accompanying grades) will be articulated to the A&M-Central Texas transcript. Courses transfer on the same level and with the corresponding grades and number of hours as earned at the other institution (quarter hours will be converted to semester hours). Grades of D and F are transferable. If the course is determined to be transferable, then the grade earned is also transferable. A minimum grade of D is required to satisfy degree requirements, (except for academic programs that specify a higher minimum grade). When a course is repeated at the same institution, only the best effort is transcribed. Admissions eligibility is determined using transcribed hours. Transferred hours are not considered if they are not transcribed.

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 (TCDNS) 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 course work 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.

**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:

<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>Passing; 1 grade point per semester hour</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 course work)</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 "D." Students should consider that some universities and colleges do not accept a "D" in transfer. A grade of "D" is not considered passing for developmental courses at A&M-Central Texas.

If a course is repeated at this institution, only the best grade in the course is counted in computing the GPA.

The grade "I" shall be recorded for a student only in case of extraordinary circumstances. This entry is used rarely when the instructor and his/her department chair have concurred that the incomplete entry is justified. A grade of "I" must be made up by the last day that course grades are due to the Registrar during the next long semester and in all cases before 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 is obtained by dividing the total number of quality points earned by the total number of semester hours included for quality points.

**Undergraduate Academic Advising**

The mission of Undergraduate Academic Advising at A&M-Central Texas is to assist prospective, newly admitted, and current students in their attainment of academic and professional goals through empowerment, self-exploration, and the development of analytical skills that will foster lifelong learning; and to aid current students in understanding their degree requirements, university policies, and how to best navigate their undergraduate studies.

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.

Please visit the Undergraduate Academic Advising webpage for more information: https://www.tamuct.edu/departments/advising/. Students may email ug.advising@tamuct.edu to correspond with an academic counselor online.

*All Social Work students should contact that 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, and students may "lock in" this degree plan to ensuring 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 ensure they are enrolling only in transferable courses applicable to their chosen field of study. There are also...
scholarship opportunities specially 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.

**Undergraduate Admission Requirements**

Students are assured admission to Texas A&M University-Central Texas when the following criteria have been met: (1) they have earned 30 or more transferable academic hours, (2) have a minimum 2.0 GPA in all transferable coursework, (3) are eligible to return to all previous institutions, and (4) have completed Texas Success Initiative (TSI) requirements.

The following rules also apply:

1. The applicant must provide official copies of transcript(s) from each college or university attended. To be considered official, the transcript must bear the seal of the granting institution and must be received in a sealed envelope either from the issuing institution or hand-delivered to Undergraduate Admissions. If an applicant’s previous institution(s) participate(s) in the sending of secure electronic transcripts (eScrip-Safe, National Student Clearinghouse, Parchment, or Credentials Solutions) transcripts may be sent electronically to admissions@tamuct.edu

2. Academic credits for admission purposes must total 30 hours in addition to any military credits presented for overall degree credit.1

Please Note: Some undergraduate degree programs at Texas A&M University-Central Texas have additional entry requirements separate from university admission. For additional information, please refer to the undergraduate programs section of the catalog.

**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
- Request and/or submit final official transcripts from all college level institutions previously attended. Coursework consolidated on one transcript does not meet this requirement.
- Submit official TSI or SAT scores or provide proof of valid exemption from the TSI requirement. Contact the admissions office for information.
- Submit proof of your Bacterial Meningitis Vaccination (http://www.tamuct.edu/departments/admissions/bacterialmeningitis.php).

1 Please note that admission to the Teacher Education Program requires a minimum of 60 semester hours toward a degree (not including developmental courses).

**Undergraduate Categories of Admission**

**Full Admission**

Students who meet all undergraduate admission requirements (minimum of 30 academic college hours, 2.0 GPA, submission of all official college transcripts, and have completed Texas Success Initiative (TSI) requirements) are granted full admission.

**Conditional Admission**

Conditional admission is available to students who meet all admission requirements (minimum of 30 academic college hours, 2.0 GPA, submission of all official college transcripts, and have completed TSI requirements) but have not submitted OFFICIAL transcripts. Conditional admission will be available within 30 days of the first day of classes for the semester for which the applicant is seeking admission to be considered for conditional admission, applicants will be required to complete the Conditional Admission Contract. Students with conditional admission have until the end of the second week of classes to submit their official transcripts and will not be eligible to register for subsequent semesters until all official transcripts have been received. Transfer coursework will not be articulated until all official transcripts have been received; thus, these students will enter with a FIRST-YEAR classification, which will impact financial aid awards (if they receive aid).

Please Note: It is the student's responsibility to request all official transcripts AND to follow-up to ensure Undergraduate Admissions receives all official transcripts by the deadline. **Conditionally-admitted students MUST be able to provide unofficial transcripts for admissions & advising purposes**

**Provisional Admission**

Provisional admission is available to applicants who apply for admission with coursework in-progress at another institution(s). These applicants must meet all admissions requirements (minimum of 30 academic college hours, 2.0 GPA, submission of all official college transcripts, and TSI complete) at the time of application. Students with provisional admission will not be eligible to register for subsequent semesters until A&M University-Central receives the updated transcript(s) that include final grades for the aforementioned in-progress coursework. “In-progress” coursework will be articulated upon receipt of the FINAL/ICIAL transcript(s).

**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 meet general admissions requirements 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 admission requirements.

**Post-Baccalaureate Admissions**

Students who have a bachelor’s degree from an accredited U.S. institution and are in good standing with all schools previously attended may seek post-baccalaureate admission. Post-baccalaureate students may work on a second bachelor’s degree or teaching certification, or take courses of interest. To be considered for post-baccalaureate admission, students must complete an ApplyTexas application and submit an official transcript from all previously attended institutions. The applicant must meet general admissions requirements. Note: Undergraduate academic standards apply to post-baccalaureate students.

**Undergraduate Funding Limit and 3-Peat Rules**

There are legislative mandates related to increased fees for repeating courses and excessive hours to achieve an undergraduate degree for students paying in-state tuition rates. The increase to in-state tuition rates for each of the three categories is $100 per credit hour. The first category applies to students repeating the same course for the third time or more since fall 2002. The second category applies to students who accumulate excess hours beyond that required for an undergraduate degree student first enrolling in fall 1999 and thereafter who are paying in-state tuition rates. The fee increase starts at 45 hours beyond the undergraduate degree for students beginning in fall 1999 or after but before fall 2006 and starts at 30 hours beyond the undergraduate degree for students beginning in fall 2006 and after. Students who have not selected a major are considered, by state law, to have a degree requirement of 120 hours.

Any student who is being charged additional tuition rates under either of the two categories stated above and wishes to appeal must file an appeal for each applicable semester. The appeal form and procedures may be obtained by contacting the registrar’s office.

The third category for increased in-state tuition rates includes new undergraduate students enrolling in an institution of higher education in fall 1999 or afterward whose attempted hours exceeds, by at least 45 semester credit hours, the number of hours required for completion of the degree program may be charged tuition at a higher rate. This category falls under Senate Bill 345 passed in the 76th Legislative session, which dictates that the higher rate will not exceed the rate charged to non-resident undergraduate students. A resident student is one who pays the in-state tuition rate.

As of fall 2006, new undergraduate students whose attempted hours exceed, by at least 30 hours, the hours required for the completion of the degree program, may be charged tuition at a higher rate. 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 an 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.
Texas A&M University-Central Texas (A&M-Central Texas) welcomes interest from potential undergraduate students year-round.

Please see How to apply (p. 40) to begin.

TAMUCT offers the following bachelor degrees:

College of Arts and Science (p. 43)

- B.S. in Criminal Justice (p. 95)
- B.S. in Sociology (p. 98)
- B.A. English without Certification (p. 49)
- B.A. English with 7-12 Certification (p. 45)
- B.A. History without Certification (p. 58)
- B.A. History with 7-12 Certification (p. 51)
- B.A. History with 7-12 Social Studies Certification (p. 54)
- B.S. Liberal Studies Concentration 1 (p. 63)
- B.S. Liberal Studies Concentration 2 (p. 65)
- B.A. Political Science (p. 60)
- B.S. Political Science without Certification (p. 67)
- B.S. Political Science with 7-12 Social Studies Composite Certification (p. 70)
- B.S. Social Work (BSW) (p. 101)
- B.S. Biology with Ecology/Conservation Biology Concentration (p. 81)
- B.S. Biology with Biotechnology Concentration (p. 78)
- B.S. Biology with Organismal Biology Concentration (p. 84)
- B.S. Mathematics (p. 87)
- B.S. Mathematics with 7-12 Certification (p. 90)
- B.S. Nursing (BSN) (p. 74)

College of Business Administration

- B.S. Aviation Science-Aviation Management (p. 107)
- B.S. Aviation Science-Professional Pilot (p. 110)
- B.B.A. Accounting (p. 114)
- B.B.A. Finance (p. 117)
- B.B.A. Computer Information Systems (p. 121)
- B.S. Computer Information Systems-Management and Networking (p. 125)
- B.S. Computer Information Systems-Software Engineering and Database Design (p. 129)
- B.S. Computer Science (p. 133)
- B.A.A.S. Business Management (p. 138)
- B.B.A. Human Resource Management (p. 142)
- B.B.A. Management (p. 146)
- B.B.A. Marketing (p. 149)

College of Education

- B.S. Interdisciplinary Studies All-Level Special Education with EC-6 Generalist Certification (p. 158)
- B.S. Interdisciplinary Studies EC-6 Generalist/ESL (p. 162)
- B.S. Interdisciplinary Studies Middle School Language Arts and Social Studies Certification (p. 174)
- B.S. Interdisciplinary Studies with Middle School Math Certification (p. 178)
- B.S. Psychology (p. 182)
- B.S. Interdisciplinary Studies EC-6 Music Vocal (p. 170)
- B.S. Interdisciplinary Studies EC-6 Music Instrumental (p. 166)
College of Arts and Sciences

The College of Arts and Sciences provides a high-quality, liberal arts education in the humanities, social sciences, and natural sciences. We foster intellectual and civic engagement, cultural literacy, and continuous discovery through excellence in the classroom, innovative research, and creative activities.

The College of Arts and Sciences is dedicated to intellectually challenging programs that are recognized for excellent teaching, scholarship, and outreach. The college develops ethical leaders and informed citizens to serve the community, the state, and the nation.

Department of Humanities

- English
- History
- Liberal Studies
- Political Science

Department of Social Sciences

- Criminal Justice
- Sociology

Department of Science and Mathematics

- Nursing Program
- Mathematics and Physics

Department of Social Work

- Social Work Program
Department of Humanities

- B.A. English without Certification (p. 49)
- B.A. English with 7-12 Certification (p. 45)
- B.A. History without Certification (p. 58)
- B.A. History with 7-12 Certification (p. 51)
- B.A. History with 7-12 Social Studies Certification (p. 54)
- B.S. Liberal Studies Option 1 (p. 63)
- B.S. Liberal Studies Option 2 (p. 65)
- B.A. Political Science (p. 60)
- B.S. Political Science (p. 67)
- B.S. Political Science with 7-12 Social Studies Composite Certification (p. 70)
B.A. English with 7-12 certification

General Education Requirements

Communication-010

ENGL 1301 Composition I 3
ENGL 1302 Composition II 3

Mathematics-020

MATH 1314 College Algebra 3

Natural Sciences-030*

Select six hours of Natural Science 6

Humanities-040

Sophomore English 2 3

Visual and Performing Art-050

Select one of the following
MUSI 1310 American Music 4 3
or HUMA 1315 Fine Arts Appreciation 3
or DRAM 1310 Introduction to Theatre 3

U.S. History-060

HIST 1301 United States History I 3
HIST 1302 United States History II 3

Political Science-070

GOVT 2305 American Government I 3
GOVT 2306 American Government II 3

Social and Behavioral Sciences-080

Select three hours of Social and Behavioral Sciences 3

University Option-090

Sophomore English

LANG 1311 Foreign Language I (SPAN, FREN, or GERM) 5 3

Common Prerequisites

LANG 1312 Foreign Language II (SPAN, FREN, or GERM) 5 3
LANG 2311 Intermediate Language I (SPAN, FREN, or GERM) 5 3
LANG 2312 Intermediate Language II (SPAN, FREN, or GERM) 5 3

Required Courses in the Field of Study

ENGK 303 Western Literature I 3
ENGK 304 Western Literature II 3
ENGK 305 Critical Analysis of Lit 3
ENGK 320 Advanced Grammars 3
ENGK 330 Advanced Composition 3
ENGK 390 Readings in Adolescent Lit 3
ENGK 400 Shakespeare 3
ENGK 411 Studies in Rhetoric and Lang 3
ENGK 460 Adv Studies in Secondary Engl 3
EDUK 325 Fundamentals of Bilingual and English as a Second Language Education 3
EDUK 440 Technology Application and Integration for Classroom Teachers 3
ESPK 361 Survey Ex Lrnr 3

Choose one of the following
ENGK 416 Literary Authors 3
or ENGK 417 Literary Themes 3
or ENGK 418 Literary Period 3
or ENGK 419 Literary Genres 3

Required Courses for Professional Development

Choose one of the following
PSYK 303 Educational Psychology 3
or TECA 1354 Child Growth & Development 3
or PSYC 2308 Child Psychology 3
RDGK 351 Content Area Reading 3
EDUK 320 Prof Dev I-Understand Learners 3
EDUK 330 ProfDev II: Effective Instr 3
EDUK 430 Pro Development III 3
EDUK 435 Issues In Prof Development 3
EDUK 490 Clinical Teaching 6

Additional Electives

Electives 6

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 NOTE: C or better required
4 NOTE: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
5 NOTE: 6 hours in upper-level linguistics can substitute for 6 hours of foreign language.

General Education Requirements

Communication - 010

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.

Mathematics - 020

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.

Natural Science - 030*

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

Humanities - 040*

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.

Visual and Performing Arts - 050

MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060

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 period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction era. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*

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, examining their impact on the individual, society, and culture.

University Options - 090*

LANG 1311. Foreign Language I. 3 Semester Credit Hours.
* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Common Prerequisites

LANG 1312. Foreign Language II. 3 Semester Credit Hours.

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.

Required Courses in the Field of Study

ENGK 303. 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.

ENGK 304. 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.

ENGK 305. 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.

ENGK 320. 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.

ENGK 330. 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 prior approval of department chair.

ENGK 390. Readings in Adolescent Lit. 3 Semester Credit Hours.
Survey of literature with a focus on teenage audiences. Readings will include both classics and contemporary selections. Study will be 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.
ENGK 400. 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.

ENGK 411. Studies in Rhetoric and Lang. 3 Semester Credit Hours.
(WI) This course offers advanced study in the theory, nature, and practice of written discourse. Special emphasis is given to helping students investigate language theoretically as a background for their own professional and personal use. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

ENGK 416. 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 ENGK 305.

ENGK 417. Literary Themes. 3 Semester Credit Hours.
(WI) 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 ENGK 305.

ENGK 418. Literary Period. 3 Semester Credit Hours.
(WI) An in-depth study of one major literary period in literary history. Topic will vary and course can be repeated for credit if taken under a different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and ENGK 305.

ENGK 419. 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 ENGK 305.

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An analysis of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these aspects impact teaching and learning. The course will also include 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 approval of the department chair.

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.

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.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, use of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 430. Pro Development III. 3 Semester Credit Hours.
Field-based/practicum experiences are required in school settings where students will 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, EDUK 330 and RDGK 351. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.
EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s):
Admission to Clinical Teaching and successful completion of designated content are of the Texas Examination of Educator Standards (TExES):
Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.A. English without certification

General Education Requirements

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<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Communication-010</td>
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</tr>
<tr>
<td>ENGL 1301 Composition I</td>
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<td>ENGL 1302 Composition II</td>
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<td>Mathematics-020</td>
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<tr>
<td>Natural Sciences-030</td>
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<tr>
<td>Select six hours of Natural Science</td>
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<tr>
<td>Humanities-040</td>
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<tr>
<td>Creative Arts-050</td>
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<tr>
<td>Select three hours of Visual and Performing Arts</td>
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<td>U.S. History-060</td>
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<td>HIST 1301 United States History I</td>
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</tr>
<tr>
<td>HIST 1302 United States History II</td>
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<td>Government-070</td>
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</tr>
<tr>
<td>GOVT 2305 American Government I</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2306 American Government II</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
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<tr>
<td>Select three hours of Social and Behavioral Sciences</td>
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</tr>
<tr>
<td>University Option - 090</td>
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<tr>
<td>Sophomore English</td>
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Common Prerequisites

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<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>LANG 1311 Foreign Language I (SPAN, FREN, or GERM)</td>
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</tr>
<tr>
<td>LANG 1312 Foreign Language II (SPAN, FREN, or GERM)</td>
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</tr>
<tr>
<td>LANG 2311 Intermediate Language I (SPAN, FREN, or GERM)</td>
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<tr>
<td>LANG 2312 Intermediate Language II (SPAN, FREN, or GERM)</td>
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Required Courses in the Major

<table>
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<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ENK 305 Critical Analysis of Lit (WI)</td>
<td>3</td>
</tr>
<tr>
<td>ENK 330 Advanced Composition (WI)</td>
<td>3</td>
</tr>
<tr>
<td>ENK 400 Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENK 411 Studies in Rhetoric and Lang</td>
<td>3</td>
</tr>
<tr>
<td>ENK 416 Literary Authors</td>
<td>3</td>
</tr>
<tr>
<td>or ENK 417 Literary Themes</td>
<td>3</td>
</tr>
<tr>
<td>or ENK 418 Literary Period</td>
<td>3</td>
</tr>
<tr>
<td>or ENK 419 Literary Genres</td>
<td>3</td>
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English Electives

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<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced English Electives</td>
<td>18</td>
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Additional Electives

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<thead>
<tr>
<th>Course</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Any Level Electives</td>
<td>18</td>
</tr>
<tr>
<td>300-400 level Electives</td>
<td>15</td>
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</tbody>
</table>

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information
2 Note: Any Math course that meets the 020 Core component area option at a Texas Public Institution. Any course number that is higher than 1314.
3 Note: Any creative arts course that meets the 050 core component area option at a Texas Public Institution.
4 Note: Any social and behavioral science course that meets the 080 core component area option at a Texas Public Institution.
5 Note: 6 hours in upper-level linguistics can substitute for 6 hours of foreign language. The language can be Spanish, French or German.

General Education Requirements

Communication - 010

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.

Mathematics - 020*

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 to everyday experience.

Natural Science - 030*

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

Humanities - 040*

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.

Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060

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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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, examining their
impact on the individual, society, and culture.

University Options - 090*
Six Credit hours of Sophomore English

* Courses that meet this requirement at other Texas Public Colleges
and Universities may be used to fulfill this requirement. For further
clarification please contact Academic Advising at (254) 501-5856

Course Requirements

LANG 1311. Foreign Language I. 3 Semester Credit Hours.
LANG 1312. Foreign Language II. 3 Semester Credit Hours.
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.

ENGK 305. 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.

ENGK 330. 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 prior approval of
department chair.

ENGK 400. 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.

ENGK 411. Studies in Rhetoric and Lang. 3 Semester Credit Hours.
(WI) This course offers advanced study in the theory, nature, and
practice of written discourse. Special emphasis is given to helping
students investigate language theoretically as a background for their own
professional and personal use. Prerequisite(s): ENGL 1301, ENGL 1302,
and 6 hours sophomore ENGL.

ENGK 416. 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 305.

ENGK 417. Literary Themes. 3 Semester Credit Hours.
(WI) 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 305.

ENGK 418. Literary Period. 3 Semester Credit Hours.
(WI) An in-depth study of one major literary period in literary history.
Topic will vary and 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 305.

ENGK 419. 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 305.

For a complete list of all courses go to the Course Information (p. 241)
page.

To check if a course is offered this Semester check the Online Schedule

*Courses that meet this requirement at other Texas Public Colleges
and Universities maybe used to fulfill this requirement. For further
clarification please contact Academic Advising at (254) 501-5856
### B.A. History with 7-12 Certification

#### General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Communication-010</td>
<td>ENGL 1301, Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL 1302, Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>MATH 1314, College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences-030</td>
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<tr>
<td>Humanities-040</td>
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<tr>
<td>Sophomore English</td>
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<tr>
<td>Visual and Performing Art-050</td>
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<td>Choose one of the following</td>
<td>MUSI 1310, American Music</td>
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<tr>
<td></td>
<td>or HUMA 1315, Fine Arts Appreciation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or DRAM 1310, Introduction to Theatre</td>
<td></td>
</tr>
<tr>
<td>U.S. History-060</td>
<td>HIST 1301, United States History I</td>
<td>3</td>
</tr>
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<td></td>
<td>HIST 1302, United States History II</td>
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<tr>
<td>Political Science-070</td>
<td>GOVT 2305, American Government I</td>
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<td></td>
<td>GOVT 2306, American Government II</td>
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<tr>
<td>Social and Behavioral Sciences-080</td>
<td>HIST 2311, Western Civilization I</td>
<td>3</td>
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<td>University Option-090</td>
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<tr>
<td>Sophomore English</td>
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<tr>
<td>HIST 2312, Western Civilization II</td>
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<tr>
<td>Common Prerequisites</td>
<td>LANG 1311, Foreign Language I (SPAN, FREN, or GERM)</td>
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<td>LANG 1312, Foreign Language II (SPAN, FREN, or GERM)</td>
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<td></td>
<td>LANG 2311, Intermediate Language I (SPAN, FREN, or GERM)</td>
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<td>LANG 2312, Intermediate Language II (SPAN, FREN, or GERM)</td>
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<td>Required Courses in the Field of Study</td>
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<td>3</td>
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<tr>
<td></td>
<td>HSTK 322, History of Texas</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or HIST 2301, Texas History</td>
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<tr>
<td></td>
<td>HSTK 490, Historical Method</td>
<td>3</td>
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<tr>
<td></td>
<td>HSTK 495, Concepts of Hist Education</td>
<td>3</td>
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<tr>
<td></td>
<td>EDUK 325, Fundamentals of Bilingual and English as a Second Language Education</td>
<td>3</td>
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<td></td>
<td>EDUK 440, Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
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<td></td>
<td>ESPK 361, Survey Ex Lrnr</td>
<td>3</td>
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<tr>
<td>Professional Development</td>
<td>PSYK 303, Educational Psychology</td>
<td>3</td>
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<tr>
<td></td>
<td>or TECA 1354, Child Growth &amp; Development</td>
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<td>or PSYC 2308, Child Psychology</td>
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<td></td>
<td>RDGK 351, Content Area Reading</td>
<td>3</td>
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<tr>
<td></td>
<td>EDUK 320, Prof Dev I: Understand Learners</td>
<td>3</td>
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<td></td>
<td>EDUK 330, Prof Dev II: Effective Instr</td>
<td>3</td>
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<td></td>
<td>EDUK 430, Pro Development III</td>
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#### Political Science Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>300 - 400 level Political Science Elective</td>
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</tr>
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</table>

#### Advanced History Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 - 400 level History Electives</td>
<td>18</td>
</tr>
</tbody>
</table>

#### Total Semester Credit Hours

120

1 Refer to the General Education Requirements for more information
2 Note: C or better required
3 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
4 Note: All 12 hours must be from the same language; CLEP, Defense Language Certification.

### General Education Requirements

#### Communication - 010

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301. Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

#### Mathematics - 020

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1314. College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

#### Natural Science - 030*

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

#### Humanities - 040*

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.

#### Visual and Performing Arts - 050

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSI 1310. American Music</td>
<td>3</td>
</tr>
</tbody>
</table>

General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.
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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
LANG 1311. Foreign Language I. 3 Semester Credit Hours.
LANG 1312. Foreign Language II. 3 Semester Credit Hours.
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.

HSTK 300. Historian's Craft. 3 Semester Credit Hours.
This course is the gateway to the major in History. It introduces students to the practice and methods of the study of history. Students learn (1) to think historically; (2) to understand how historians construct and write about the past through narratives, theory and analytical discussion; (3) to critically evaluate historical arguments and the material used to substantiate those arguments, including an introduction to the process of peer review; (4) to develop writing and research skills including the interpretation of primary sources; and (5) to master professional standards of presenting their findings. This course is required of all history majors, is a prerequisite for upper level History courses, and must be taken during their first semester at. Prerequisite(s): Open only to declared History majors or by consent of instructor.

HSTK 322. History of Texas. 3 Semester Credit Hours.
A survey of Texas from the Spanish colonial period to the present with special attention to the Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state.

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.

HSTK 490. Historical Method. 3 Semester Credit Hours.
An examination of 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. A comparison of the social sciences and the humanities focusing on the distinctive nature of the historical discipline as it has developed.
HSTK 495. Concepts of Hist Education. 3 Semester Credit Hours.
This course helps history students seeking teacher certification master
the subject areas of the Texas Examination for Educator Standards.
Students consider methods and techniques for presenting historical
material to secondary students. This course helps students organize the
amount of material into a logical framework that helps them to better
understand the interplay of people, nations, and cultures through time.

EDUK 325. Fundamentals of Bilingual and English as a Second Language
Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal
foundations regarding Bilingual/English as a Second Language
education. The course also includes an examination of the knowledge
and skills required to teach English Language Learners, with an emphasis
on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 440. Technology Application and Integration for Classroom
Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators
to plan, organize, deliver, and evaluate instruction for diverse learners
through the effective use and integration of current technology. The
use of technology for ethical and professional communication with
colleagues, community, and students is also addressed. Prerequisite(s):
Admission to Clinical Teaching; successful completion of designated
content area Texas Examination of Educator Standards (TExES);
concurrent enrollment in EDUK 490 and EDUK 435, or approval of
Curriculum & Instruction Program.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs
for individuals with disabilities are surveyed. Additional course content
includes the legislation and court cases 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.

PSYC 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and
learning. Topics will include theories of human development, learning,
and motivation, and how these impact the processes of teaching and
learning. The course will also include 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 approval of the department chair.

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.

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.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence
learning from content text and teaches specific instructional strategies
which promote comprehension, vocabulary development, effective study
strategies, and test-taking skills. Includes ways to modify text for diverse
learners. Attention is given to the principles of research-based reading
instruction. Must be admitted to the Teacher Ed Program.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools.
Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum,
learner-centered proficiencies and best practices. Topics include:
the lesson cycle, models of learning, instruction, uses of technology,
assessment, classroom management, micro-teaching and field
experience. A classroom management lab and documentation of field
experiences are required. Prerequisite(s): EDUK 320, admission to the
Teacher Education Program.

EDUK 430. Pro Development III. 3 Semester Credit Hours.
Field-based/practicum experiences are required in school settings
where students will 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, EDUK 330 and RDGK 351. Field
experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate
concepts encountered during clinical teaching. Focuses 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
Assignment fee $75.

EDUK 440. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools
at the appropriate level. Students are required to demonstrate proficiency
in the application of effective teaching practices and classroom
management strategies. Field experience fee $75 Prerequisite(s):
Admission to Clinical Teaching and successful completion of designated
content area of the Texas Examination of Educator Standards (TExES):
Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of
Curriculum & Instruction Program Coordinator. * 7-12 math students may
take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241)
page.

To check if a course is offered this Semester check the Online Schedule
B.A. History with 7-12 Social Studies certification

General Education Requirements

Communication-010
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.

Mathematics-020
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.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050

MUSI 1310. American Music. 3 Semester Credit Hours. General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours. Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060

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 pre-Columbian era to the Civil War/Reconstruction period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.

University Options - 090

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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

LANG 1311. Foreign Language I. 3 Semester Credit Hours.
LANG 1312. Foreign Language II. 3 Semester Credit Hours.
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.
HSTK 300. Historian's Craft. 3 Semester Credit Hours. This course is the gateway to the major in History. It introduces students to the practice and methods of the study of history. Students learn (1) to think historically; (2) to understand how historians construct and write about the past through narratives, theory and analytical discussion; (3) to critically evaluate historical arguments and the material used to substantiate those arguments, including an introduction to the process of peer review; (4) to develop writing and research skills including the interpretation of primary sources; and (5) to master professional standards of presenting their findings. This course is required of all history majors, is a prerequisite for upper level History courses, and must be taken during their first semester at. Prerequisite(s): Open only to declared History majors or by consent of instructor.
HSTK 332. History of Texas. 3 Semester Credit Hours. A survey of Texas from the Spanish colonial period to the present with special attention to the Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state.
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.
HSTK 490. Historical Method. 3 Semester Credit Hours.
An examination of 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. A comparison of the social sciences and the humanities focusing on the distinctive nature of the historical discipline as it has developed.

HSTK 495. Concepts of Hist Education. 3 Semester Credit Hours.
This course helps history students seeking teacher certification master the subject areas of the Texas Examination for Educator Standards. Students consider methods and techniques for presenting historical material to secondary students. This course helps students organize the amount of material into a logical framework that helps them to better understand the interplay of people, nations, and cultures through time.

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 landform development, and human interactions with the physical environment.

GEOG 1302. Cultural 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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preschool educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUC 490 and EDUC 435, or approval of Curriculum & Instruction Program.

ESPK 361. Survey Ex Lrnr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

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.

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.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUC 320, admission to the Teacher Education Program.

EDUK 430. Pro Development III. 3 Semester Credit Hours.
Field-based/practicum experiences are required in school settings where students will 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 330 and RDGK 351. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.
EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area of the Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
## B.A. History without certification

### General Education Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Communication-010</td>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td>Select three credits in Mathematics</td>
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</tr>
<tr>
<td>Natural Sciences-030</td>
<td>Select six hours of Natural Science.</td>
<td></td>
<td>6</td>
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<tr>
<td>Humanities-040</td>
<td>Select three hours in Humanities</td>
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</tr>
<tr>
<td>Creative Arts-050</td>
<td>Select three hours of Creative Arts</td>
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<tr>
<td>U.S. History-060</td>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
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<td>HIST 1302</td>
<td>United States History II</td>
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<td>Government-070</td>
<td>GOVT 2305</td>
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<td>GOVT 2306</td>
<td>American Government II</td>
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</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
<td>Select one of the following</td>
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<tr>
<td></td>
<td>HIST 2311</td>
<td>Western Civilization I</td>
<td>3</td>
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<td>University Options-090</td>
<td>SPCH 1311</td>
<td>Fundamentals of Speech</td>
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<td></td>
<td>or SPCH 1315</td>
<td>Public Speaking</td>
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<td></td>
<td>or SPCH 1321</td>
<td>Business &amp; Prof Speaking</td>
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<tr>
<td>Common Prerequisites</td>
<td>LANG 1311</td>
<td>Foreign Language I (SPAN, FREN, or GERM)</td>
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<td>LANG 1312</td>
<td>Foreign Language II (SPAN, FREN, or GERM)</td>
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<td>LANG 2311</td>
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<td>Required Courses in the Major</td>
<td>ENGK 330</td>
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<td>HSTK 300</td>
<td>Historian's Craft</td>
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<td>HSTK 490</td>
<td>Historical Method (WI)</td>
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<td>HSTK 499</td>
<td>Senior Research Seminar</td>
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<td></td>
<td>300-400 level electives</td>
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</table>

**Total Semester Credit Hours**: 120

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1. Refer to the General Education Requirements for more information.
2. Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3. Note: All 12 hours must be from the same language; CLEP, Defense Language Certification.

### General Education Requirements

#### Communication - 010

**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.

#### Mathematics - 020*

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 to everyday experience.

#### Natural Science - 030*

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

#### Humanities - 040*

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.

#### Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.

#### U.S. History - 060

**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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

Course Requirements
LANG 1311. Foreign Language I. 3 Semester Credit Hours.
LANG 1312. Foreign Language II. 3 Semester Credit Hours.
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.

ENGK 330. 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 prior approval of department chair.

HSTK 300. Historian’s Craft. 3 Semester Credit Hours.
This course is the gateway to the major in History. It introduces students to the practice and methods of the study of history. Students learn (1) to think historically; (2) to understand how historians construct and write about the past through narratives, theory and analytical discussion; (3) to critically evaluate historical arguments and the material used to substantiate those arguments, including an introduction to the process of peer review; (4) to develop writing and research skills including the interpretation of primary sources; and (5) to master professional standards of presenting their findings. This course is required of all history majors, is a prerequisite for upper level History courses, and must be taken during their first semester at. Prerequisite(s): Open only to declared History majors or by consent of instructor.

HSTK 490. Historical Method. 3 Semester Credit Hours.
An examination of 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. A comparison of the social sciences and the humanities focusing on the distinctive nature of the historical discipline as it has developed.

HSTK 499. Senior Research Seminar. 3 Semester Credit Hours.
(WI) This course is designed to develop and apply historical research and writing skills through exploration of topics selected by the instructor. Prerequisite(s): HIST 2311, HIST 2312, HIST 1301, HIST 1302.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856
B.A. Political Science

The Political Science program offers study leading to the Bachelor of Arts and the Bachelor of Science with or without Social Studies Composite Certification. The Bachelor's degrees in Political Science provide a program of study that prepares students who are:

1. seeking to teach social studies or American Government at the secondary level;
2. seeking skilled employment after graduation, particularly in fields related to politics; or
3. seeking to pursue graduate study in Political Science or Law.

For more information about the Political Science program, visit the program website at www.tamuct.edu/departments/politicalscience/index

General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>Communication - 010</td>
<td>ENGL 1301 Composition I</td>
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<td>ENGL 1302 Composition II</td>
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<td>Mathematics - 020</td>
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<td>Natural Sciences - 030</td>
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<td>Creative Arts - 050</td>
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<td>U.S. History - 060</td>
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<td>HIST 1302 United States History II</td>
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<td>Government - 070</td>
<td>GOVT 2305 American Government I</td>
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<td>GOVT 2306 American Government II</td>
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<td>Social and Behavioral Sciences - 080</td>
<td>HIST 2311 Western Civilization I</td>
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<td>University Option - 090</td>
<td>HIST 2312 Western Civilization II</td>
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<td>SPCH 1311 Fundamentals of Speech</td>
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<td>or SPCH 1315 Public Speaking</td>
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<tr>
<td>or SPCH 1321 Business &amp; Prof Speaking</td>
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Language requirements

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Major Requirements

Select one of the following

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<th>Requirement</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>PLSK 302 Elect &amp; Political Parties</td>
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<tr>
<td>or PLSK 303 Comp State and Local Govt</td>
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<td>or PLSK 304 The Executive</td>
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<td>or PLSK 305 Legislation</td>
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<td>or PLSK 307 Public Administration</td>
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Select one of the following

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<td>PLSK 301 Constitutional Law I</td>
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<td>or PLSK 401 Constitutional Law II</td>
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<tr>
<td>or PLSK 480 Administration of Justice</td>
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300-400 level Political Science electives 12

300-400 level electives 18

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 Note: Any Math course that meets the 020 Core component area option at a Texas Public Institution. Any course number that is higher than 1314.
3 Note: Any creative arts course that meets the 050 core component area option at a Texas Public Institution.
4 Note: All 14 hours must be from the same language; CLEP, Defense Language Certification.
5 Should be taken during Spring semester.

General Education Requirements

Communication - 010

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.

Mathematics - 020*

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 to everyday experience.
Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
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.

PLSK 302. Elect & Political Parties. 3 Semester Credit Hours.
The study of the electoral process in American national, state, and local political systems. Emphasis is placed on the evolution of the structure and functions of political parties, interest groups, the news media, and other participants in the electoral process.
PLSK 303. Comp State and Local Govt. 3 Semester Credit Hours.
Variations and similarities in the practice of politics and in the administration of government in the states. Particular attention is given to local government and state national relations. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 304. The Executive. 3 Semester Credit Hours.
The study of the organization of executive power in American national, state, and local systems. Emphasis is placed on the evolution of the structure and functions of the Presidency of the United States and national, state, and local bureaucracies, and the role of parties, legislatures, courts, interest groups, and other participants in the executive process. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 305. Legislation. 3 Semester Credit Hours.
The study of the legislative process in American national, state, and local political systems. Emphasis is placed on 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.

PLSK 306. Political Economy. 3 Semester Credit Hours.
A study of the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both PLSK 306 and ECOK 306 will not be awarded. Prerequisite(s): 3 hours of ECOK and 6 hours of PLSK or instructor’s approval.

PLSK 307. Public Administration. 3 Semester Credit Hours.
A survey of the concepts and practices of American public administration. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 308. International Politics. 3 Semester Credit Hours.
(WI) 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.

PLSK 309. Comp Govt & Politics. 3 Semester Credit Hours.
The government and politics of the major world powers. Examples may be drawn from Asia, Africa, Europe, and the Americas.

PLSK 401. Constitutional Law I. 3 Semester Credit Hours.
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.

PLSK 402. Constitutional Law II. 3 Semester Credit Hours.
The origin and development of constitutional prohibitions as shown by leading U.S. Supreme Court decisions on civil rights, contracts, due process, economic regulation, eminent domain, labor relations, obscenity, political utterance, and religion. Prerequisite(s): PLSK 401.

PLSK 416. Conflict Studies. 3 Semester Credit Hours.
A study of the causes of international and civil conflict, historical changes in the nature of war, and predictions of future conflicts.

PLSK 417. Peace Studies. 3 Semester Credit Hours.
A seminar on the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

PLSK 440. Political Ethics. 3 Semester Credit Hours.
This course compares theories of political ethics from ancient times to the present. Special attention is given to the topics of justice and virtue.

PLSK 441. Freedom and Authority. 3 Semester Credit Hours.
This course addresses 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.

PLSK 480. Administration of Justice. 3 Semester Credit Hours.
Analyzes the structure, function, and interrelationship of the components of the criminal justice system at the federal, state, and local levels. The history and philosophy of criminal justice in a democratic society is included.

PLSK 481. Political Economy of Globaliza. 3 Semester Credit Hours.
This course provides an overview of the demographic, technological, and economic forces that have come together to shape a more culturally, economically, and politically integrated world. It also examines the hard political and economic choices that must be made in this more intensely competitive environment.

PLSK 490. Political Science Capstone Cou. 3 Semester Credit Hours.
(WI) This course requires students to 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Liberal Studies Option 1

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. This is not designed to provide students with the depth of content in a concentration to typically prepare the student for advanced studies within an academic discipline related to this concentration.

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 Science 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Art-050
Select three hours of Visual and Performing Arts ² 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Political Science-070
GOVT 2305 American Government I 3
GOVT 2306 American Government II 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 Fundamentals of Speech 3
   or SPCH 1315 Public Speaking
   or SPCH 1321 Business & Prof Speaking
Select three hours that meets one of the core component areas above 3

Required Courses
L SK 300 Intro to Liberal Studies 3
Select one of the following
CISK 300 Computer Tech and Impact 3
   or COSC 1301 Microcomputer Applications
ENGK 309 Tech Writing & Document Design (WI) 3
L SK 498 Liberal Studies Capstone 3

Primary Concentration
6 hours from the same selected discipline; any level 6
At least 12 hours advanced (300-400) level courses from the selected discipline 12

Secondary Concentration
3 hours from the same selected discipline; any level 3
At least 6 hours advanced (300-400) level courses from a discipline different from the primary concentration 6

Additional Electives
Any level electives 21
300-400 level electives 18
Total Semester Credit Hours 120

¹ Refer to the General Education Requirements for more information.
² Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

General Education Requirements

Communication - 010
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.

Mathematics - 020*
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 to everyday experience.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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, examining their impact on the individual, society, and culture.

University Options - 090
SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

L SK 300. Intro to Liberal Studies. 3 Semester Credit Hours.
Students will be introduced the major issues in interdisciplinary studies. Students will research how their academic concentrations emerged as distinct disciplines and produce a research paper and presentation of their findings. Prerequisite(s): Junior standing.

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow's technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

COSC 1301. Microcomputer Applications. 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.

ENGK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

L SK 498. Liberal Studies Capstone. 3 Semester Credit Hours.
(WI) 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 will 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 CISK 300; ENGK 309; senior standing, approved degree plan for Bachelor of Science in Liberal Studies program.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched)
B.S. Liberal Studies Option 2

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. This is not designed to provide students with the depth of content in a concentration to typically prepare the student for advanced studies within an academic discipline related to this concentration.

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 2

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

Political Science-070
GOVT 2305 American Government I 3
GOVT 2306 American Government II 3

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

University Option-090
Choose one of the following
SPCH 1311 Fundamentals of Speech 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Prof Speaking

Select three hours that meets one of the core areas above. 3

Required Courses
L SK 300 Intro to Liberal Studies 3

Choose one of the following
CISK 300 Computer Tech and Impact 3
or COSC 1301 Microcomputer Applications
ENGK 309 Tech Writing & Document Design 3
L SK 498 Liberal Studies Capstone 3

Primary Concentration
3 hours from the same selected discipline; any level 3
At least 6 hours advanced (300-400) level courses from a discipline 6

Secondary Concentration
3 hours from the same selected discipline; any level 3
At least 6 hours advanced (300-400) level courses from a discipline different from the other concentrations 6

Tertiary Concentration
3 hours from the same selected discipline; any level 3
At least 6 hours advanced (300-400) level courses from a discipline different from the other concentrations 6

Additional Electives
Any Level Electives 21
300-400 level electives 18
Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

General Education Requirements

Communication - 010
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.

Mathematics - 020*
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 to everyday experience.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060

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 period. 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.

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Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 3 Semester Credit Hours.
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Social and Behavioral Sciences - 080*

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, examining their impact on the individual, society, and culture.

University Options - 090

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SPCH 1315. Public Speaking. 3 Semester Credit Hours.
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SPCH 1321. Business & Prof Speaking. 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.

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ENGK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

L SK 498. Liberal Studies Capstone. 3 Semester Credit Hours.
(WI) 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 will 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 CISK 300; ENGK 309; senior standing, approved degree plan for Bachelor of Science in Liberal Studies program.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
# B.S. Political Science

## General Education Requirements

<table>
<thead>
<tr>
<th>Communication-010</th>
<th><strong>ENGL 1301</strong></th>
<th>Composition I</th>
<th><strong>3</strong> Semester Credit Hours.</th>
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<tbody>
<tr>
<td><strong>ENGL 1302</strong></td>
<td>Composition II</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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</tr>
<tr>
<td>Mathematics-020</td>
<td>Select three hours of Mathematics</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td>Select six hours of Natural Science</td>
<td><strong>6</strong> Semester Credit Hours.</td>
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<tr>
<td>Humanities-040</td>
<td>Select three hours of Humanities</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td>Select three hours of Visual and Performing Arts</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td>U.S. History-060</td>
<td>Select one of the following</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td><strong>HIST 1301</strong></td>
<td>United States History I</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td><strong>HIST 1302</strong></td>
<td>United States History II</td>
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<tr>
<td>Political Science-070</td>
<td><strong>GOVT 2305</strong></td>
<td>American Government I</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<td></td>
<td><strong>GOVT 2306</strong></td>
<td>American Government II</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td>Social and Behavioral Sciences-080</td>
<td><strong>HIST 2311</strong></td>
<td>Western Civilization I</td>
<td><strong>3</strong> Semester Credit Hours.</td>
</tr>
<tr>
<td>University Option-090</td>
<td>Select one of the following</td>
<td><strong>3</strong> Semester Credit Hours.</td>
<td></td>
</tr>
<tr>
<td><strong>SPCH 1311</strong></td>
<td>Fundamentals of Speech</td>
<td><strong>3</strong> Semester Credit Hours.</td>
<td></td>
</tr>
<tr>
<td>or <strong>SPCH 1315</strong></td>
<td>Public Speaking</td>
<td><strong>3</strong> Semester Credit Hours.</td>
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<tr>
<td>or <strong>SPCH 1321</strong></td>
<td>Business &amp; Prof Speaking</td>
<td><strong>3</strong> Semester Credit Hours.</td>
<td></td>
</tr>
</tbody>
</table>

## Major Requirements

| **PLSK 330** | Understand Soc Science Rsrch (WI) | **3** Semester Credit Hours. |
| or **SOCK 330** | Social Science Statistics | **3** Semester Credit Hours. |
| Select one of the following | **3** Semester Credit Hours. |
| **PLSK 440** | Political Ethics | **3** Semester Credit Hours. |
| or **PLSK 441** | Freedom and Authority | **3** Semester Credit Hours. |
| Select one of the following | **3** Semester Credit Hours. |
| **PLSK 302** | Elect & Political Parties | **3** Semester Credit Hours. |
| or **PLSK 303** | Comp State and Local Govt | **3** Semester Credit Hours. |
| or **PLSK 304** | The Executive | **3** Semester Credit Hours. |
| or **PLSK 305** | Legislation | **3** Semester Credit Hours. |
| or **PLSK 307** | Public Administration | **3** Semester Credit Hours. |
| or **PLSK 401** | Constitutional Law I | **3** Semester Credit Hours. |
| or **PLSK 402** | Constitutional Law II | **3** Semester Credit Hours. |
| or **PLSK 480** | Administration of Justice | **3** Semester Credit Hours. |
| Select one of the following | **3** Semester Credit Hours. |
| **PLSK 301** | Political Economy of Globaliza | **3** Semester Credit Hours. |
| or **PLSK 306** | Political Economy | **3** Semester Credit Hours. |
| or **PLSK 308** | International Politics | **3** Semester Credit Hours. |
| or **PLSK 405** | Comp Govt & Politics | **3** Semester Credit Hours. |
| or **PLSK 416** | Conflict Studies | **3** Semester Credit Hours. |
| or **PLSK 417** | Peace Studies | **3** Semester Credit Hours. |
| **PLSK 490** | Political Science Capstone Cou (WI) | **3** Semester Credit Hours. |

## Advanced Political Science Electives

| 300-400 level Political Science electives | **9** Semester Credit Hours. |

## Additional Electives

| Any level elective | **33** Semester Credit Hours. |
| 300-400 level Electives | **21** Semester Credit Hours. |

**Total Semester Credit Hours:** **120**

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1. Refer to the General Education Requirements for more information.
2. Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3. Nutrition cannot be used to fill this requirement.
4. Must meet Common Core requirements at other Texas Public University / College.

## General Education Requirements

### Communication - 010

**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.

### Mathematics - 020*

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 to everyday experience.

### Natural Science - 030*

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

### Humanities - 040*

Courses in this category focus on 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.

### Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

SPCH 1311. Fundamentals of Speech. 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 1313. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

PLSK 330. Understand Soc Science Rsrch. 3 Semester Credit Hours.
(WI) Prepares students to understand political science research. Topics covered will include hypothesis testing, measurement, formal modeling, and statistical analysis. Statistical concepts covered include central tendencies and statistical distributions, regression, and maximum likelihood estimation.

SOCK 330. Social Science Statistics. 3 Semester Credit Hours.
Surveys the application of 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. The application of statistics is made to the following areas: social work, sociology, criminal justice, political science, and gerontology. SPSS is utilized for data analysis.

PLSK 440. Political Ethics. 3 Semester Credit Hours.
This course compares theories of political ethics from ancient times to the present. Special attention is given to the topics of justice and virtue.

PLSK 441. Freedom and Authority. 3 Semester Credit Hours.
This course addresses 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.

PLSK 302. Elect & Political Parties. 3 Semester Credit Hours.
The study of the electoral process in American national, state, and local political systems. Emphasis is placed on the evolution of the structure and functions of political parties, interest groups, the news media, and other participants in the electoral process.

PLSK 303. Comp State and Local Govt. 3 Semester Credit Hours.
Variations and similarities in the practice of politics and in the administration of government in the states. Particular attention is given to local government and state national relations. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 304. The Executive. 3 Semester Credit Hours.
The study of the organization of executive power in American national, state, and local systems. Emphasis is placed on the evolution of the structure and functions of the Presidency of the United States and national, state, and local bureaucracies, and the role of parties, legislatures, courts, interest groups, and other participants in the executive process. Prerequisite(s): GOVT 2305, GOVT 2306.
PLSK 305. Legislation. 3 Semester Credit Hours.
The study of the legislative process in American national, state, and local political systems. Emphasis is placed on 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.

PLSK 307. Public Administration. 3 Semester Credit Hours.
A survey of the concepts and practices of American public administration. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 401. Constitutional Law I. 3 Semester Credit Hours.
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.

PLSK 402. Constitutional Law II. 3 Semester Credit Hours.
The origin and development of constitutional prohibitions as shown by leading U.S. Supreme Court decisions on civil rights, contracts, due process, economic regulation, eminent domain, labor relations, obscenity, political utterance, and religion. Prerequisite(s): PLSK 401.

PLSK 480. Administration of Justice. 3 Semester Credit Hours.
Analyzes the structure, function, and interrelationship of the components of the criminal justice system at the federal, state, and local levels. The history and philosophy of criminal justice in a democratic society is included.

PLSK 301. Political Economy of Globalization. 3 Semester Credit Hours.
This course provides an overview of the demographic, technological, and economic forces that have come together to shape a more culturally, economically, and politically integrated world. It also examines the hard political and economic choices that must be made in this more intensely competitive environment.

PLSK 306. Political Economy. 3 Semester Credit Hours.
A study of the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both PLSK 306 and ECOK 306 will not be awarded. Prerequisite(s): 3 hours of ECOK and 6 hours of PLSK or instructor's approval.

PLSK 308. International Politics. 3 Semester Credit Hours.
(WI) 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.

PLSK 405. Comp Govt & Politics. 3 Semester Credit Hours.
The government and politics of the major world powers. Examples may be drawn from Asia, Africa, Europe, and the Americas.

PLSK 416. Conflict Studies. 3 Semester Credit Hours.
A study of the causes of international and civil conflict, historical changes in the nature of war, and predictions of future conflicts.

PLSK 417. Peace Studies. 3 Semester Credit Hours.
A seminar on the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

PLSK 490. Political Science Capstone Course. 3 Semester Credit Hours.
(WI) This course requires students to 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.
B.S. Political Science with 7-12 Social Studies Composite Certification

General Education Requirements

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

Mathematics-020
- MATH 1314 College Algebra 3

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

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

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

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

Political Science-070
- GOVT 2305 American Government I 3
- GOVT 2306 American Government II 3

Social and Behavioral Sciences-080
- HIST 2311 Western Civilization I 3

University Option-090
- HIST 2312 Western Civilization II 3

Sophomore English 4

Required Courses for the Field of Study

HSTK 322 History of Texas 3

HSTK 490 Historical Method 3

Choose one of the following
- PLSK 330 Understand Soc Science Rsch (WI) 3
- or SOCK 330 Social Science Statistics

Choose one of the following
- PLSK 440 Political Ethics 3
- or PLSK 441 Freedom and Authority

PLSK 490 Political Science Capstone Cou 3

Choose one of the following
- GEOG 1300 Principles of Geography 3
- or GEOG 1301 Physical Geography
- or GEOG 1302 Cultural Geography

GEOG 1303 World Regional Geography 3

ECON 2301 Principles of Macroeconomics 3

ECON 2302 Principles of Microeconomics 3

EDUK 325 Fundamentals of Bilingual and English as a Second Language Education 3

EDUK 440 Technology Application and Integration for Classroom Teachers 3

ESPK 361 Survey Ex Lmr 3

Professional Development

Choose one of the following
- PSYK 303 Educational Psychology 3
- or TECA 1354 Child Growth & Development
- or PSYC 2308 Child Psychology

RDGK 351 Content Area Reading 3

EDUK 320 Prof Dev I-Understand Learners 3

EDUK 330 Prof Dev II: Effective Instr 3

EDUK 430 Pro Development III 3

EDUK 435 Issues In Prof Development 3

EDUK 490 Clinical Teaching 6

Additional Course Requirements

SOCK 303 Race and Ethnic Relations 3

Advanced Political Science Electives

300 - 400 level Political Science Electives 15

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 Note: C or better required for all 6 hours.
3 Nutrition cannot be used to fill this requirement.
4 Note: C or better required.
5 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
6 Note: Should be taken during the Spring semester.

General Education Requirements

Communication - 010

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.

Mathematics - 020

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.

Natural Science - 030*

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.
Humanities - 040*
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.

Visual and Performing Arts - 050
MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

* Courses that meet this requirement at other Texas Public Colleges and Universities may be used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

GEOG 1300. Principles of Geography. 3 Semester Credit Hours.

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 landform development, and human interactions with the physical environment.

GEOG 1302. Cultural 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.

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.
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.

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.

HSTK 322. History of Texas. 3 Semester Credit Hours.
A survey of Texas from the Spanish colonial period to the present with special attention to the Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state.

HSTK 490. Historical Method. 3 Semester Credit Hours.
An examination of 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. A comparison of the social sciences and the humanities focusing on the distinctive nature of the historical discipline as it has developed.

PLSK 330. Understand Soc Science Rsrch. 3 Semester Credit Hours. (WI)
Prepares students to understand political science research. Topics covered will include hypothesis testing, measurement, formal modeling, and statistical analysis. Statistical concepts covered include central tendencies and statistical distributions, regression, and maximum likelihood estimation.

SOC 330. Social Science Statistics. 3 Semester Credit Hours.
Surveys the application of 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. The application of statistics is made to the following areas: social work, sociology, criminal justice, political science, and gerontology. SPSS is utilized for data analysis.

PLSK 440. Political Ethics. 3 Semester Credit Hours.
This course compares theories of political ethics from ancient times to the present. Special attention is given to the topics of justice and virtue.

PLSK 490. Political Science Capstone Cou. 3 Semester Credit Hours. (WI)
This course requires students to 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.

PSYC 411. Freedom and Authority. 3 Semester Credit Hours.
This course addresses the legitimacy of government and the sources of individual rights. Special attention is given to the idea of a "social contract," restrictions on government, arguments for and against restricting liberty, and who should be permitted to participate in politics.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

ESPK 361. Survey Ex Lrnr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

RDGK 351. Content Area Reading. 3 Semester Credit Hours. (WI)
This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 430. Pro Development III. 3 Semester Credit Hours.
Field-based/practicum experiences are required in school settings where students will 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, EDUK 330 and RDGK 351. Field experience fee $75.
EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area of the Texas Examination of Educator Standards (TExES). Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

SOCK 303. Race and Ethnic Relations. 3 Semester Credit Hours.
Includes an analysis of relations between dominant groups and minority groups that make up American society. Theories of race relations and prejudice, the meaning of racial differences, group conflict, and modes of accommodation are emphasized.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
## General Education Requirements

### Communication - 010

**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.

### Mathematics - 020

**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.

### Natural Science - 030

**BIOL 2401. Anatomy and Physiology I.** 4 Semester Credit Hours.
- **BIOL 2402. Anatomy and Physiology II.** 4 Semester Credit Hours.

### Humanities - 040*

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.

### Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.

### U.S. History - 060

**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 period. 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.

### Program Requirements

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<tr>
<th>Course Code</th>
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<td>ENGL 1302</td>
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<td>MATH 1342</td>
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<td>HIST 1301</td>
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<td>GOVT 2305</td>
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<td>GOVT 2306</td>
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<td>PSYC 2301</td>
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<td>SOCI 1301</td>
<td>Introduction to Sociology</td>
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<td>SPCH 1311</td>
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<td>NURK 307</td>
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<td>NURK 304</td>
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<td>NURK 317</td>
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<td>Any Level Electives</td>
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<tr>
<td><strong>Total Semester Credit Hours</strong></td>
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<td><strong>120</strong></td>
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</tbody>
</table>
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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
BIOL 2421. Microbiology. 4 Semester Credit Hours.
* Courses that meet this requirement at other Texas Public Colleges and Universities may be used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

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.

NURK 300. Professional Transition. 3 Semester Credit Hours.
(WI) Nursing is defined, especially as it relates to promotion and restoration of health. Roles of the nurse are explored, Professional nursing is examined from historical and contemporary perspectives, including the philosophy and theoretical foundations that define professional nursing practice. Students examine personal, professional, and cultural values as influences upon nursing practice. The process of critical thinking and the use of nursing informatics is examined from multiple perspectives.

NURK 307. Health Assessment. 3 Semester Credit Hours.
This Health Assessment Course introduces the concepts and techniques of health and cultural assessment of individuals and families across the life span, for use with the nursing Undergraduate Major(s) and Undergraduate Minor(s) process. Emphasis is on history data collection and critical analysis in situations of health, and deviations from health. Practical experiences enable student’s practice of clinical assessment skills, analysis, and decision-making for nursing practice. Prerequisite(s): NURK 300.

NURK 304. Nursing Research. 3 Semester Credit Hours.
This introductory nursing research course focuses on improving nursing practice based on evidence discovered in the research process. Methods of data collection and analysis, and the interpretation and use of study findings, are evaluated. The importance of scientific integrity and maintaining ethical standards are highlighted. Prerequisite(s) or Co-requisite: statistics course, NURK 300.

NURK 317. Pathophysiology for the RN. 3 Semester Credit Hours.
The focus of this course is on the pathophysiology of frequently encountered conditions seen across the lifespan. Emphasis is placed on etiology, pathogenesis, epidemiology, risk factors, clinical manifestations, preventative & therapeutic measures, and current evidence-based research relevant to commonly occurring diseases.

NURK 405. Individual and Family Care. 4 Semester Credit Hours.
In this course students are expected to synthesize knowledge from previous courses as care is provided to people with complex, unpredictable, or chronic health needs. The student is be self-directed in the development of learning objectives and in using the nursing process for knowledge-based nursing interventions, evaluation of outcomes, and revisions in nursing care to maintain, restore, and promote health of individuals and families or to achieve a peaceful death. Individual clients may be children or adults whose care occurs within the context of a family. Emphasis is placed on the application of research findings for critical thinking in case management; the integration of pathophysiology, psychosocial, and cultural concepts; and professional values to coordinate care in a variety of settings, with quality and continuity. Pharmacology, pain management, crisis intervention and discharge planning are included. Prerequisite(s) or Co-requisite: NURK 300.
NURK 406. Community Health. 5 Semester Credit Hours.
In this course students are introduced to community-based nursing practice and the role of various systems available in individuals, families, and high-risk groups. Issues of health promotion, primary disease prevention, and management of chronic health problems in community settings are will be explored. The focus is on the use of research findings to assess community settings, assessment of the environment of care, and on the needs of vulnerable populations in community settings. Prerequisite(s) NURK 300.

NURK 330. Care of Older Adults. 3 Semester Credit Hours.
Focus is on risk reduction, disease prevention, and strategies for health promotion, restoration, and maintenance in a vulnerable older population. Emphasis is placed on integrating assessment, data analysis, therapeutic communication, and critical thinking skills to the direct culturally sensitive care of older adults. Prerequisite(s) or Co-requisite: NURK 300.

NURK 410. RN Leadership & Management. 4 Semester Credit Hours.
The focus of this course is on the concepts of leadership and management, and their implications for delivery of professional nursing care. Assessment and analysis of a real work problem, assessment of the work environment, and development of a proposed solution, as well as principles of client education are included. Prerequisite(s) or Co-Requisite(s) NURK 300.

NURK 412. Professional Issues for the RN. 2 Semester Credit Hours.
An online course that explores political, legal, ethical, and policy issues affecting the quality of health care delivery and of nursing practice. The responsibility and means by which professional nurses can affect quality are included. Prerequisite(s) NURK 300.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Science and Mathematics

- B.S. Biology with Ecology/Conservation Biology Concentration (p. 81)
- B.S. Biology with Biotechnology Concentration (p. 78)
- B.S. Biology with Organismal Biology Concentration (p. 84)
- B.S. Mathematics (p. 87)
- B.S. Mathematics with 7-12 Certification (p. 90)
B.S. Biology with Biotechnology Concentration

General Education Requirements

Communications-010
ENGL 1301 Composition I 3

ENGL 1302 Composition II 3

Mathematics-020
MATH 2413 Calculus I 3

Natural Science-030
BIOL 1406 Biology for Science Majors I (Lecture + Lab) 4

BIOL 1407 Biology for Science Majors II (Lecture + Lab) 4

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 American Government I 3

GOVT 2306 American Government II 3

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

University Option-090
CHEM 1411 General Chemistry I 4

Lower Major Requirements

BIOL 2421 Microbiology 4

CHEM 1412 General Chemistry II 4

CHEM 2423 Organic Chemistry I (Lecture + Lab) 4

CHEM 2425 Organic Chemistry II (Lecture + Lab) 4

PHYS 1401 College Physics I 4

Biology Major Courses

BIOL 352 Principles of Genetics 4

BIOL 390 Research Methods 3

BIOL 480 Evolution 3

BIOL 490 Biology Capstone 3

CHEM 430 Biochemistry I 4

MTHK 350 Principles of Bio-Statistics 3

Biotechnology Concentration

BIOL 451 Bioinformatics 4

BIOL 470 Cell Biology 4

BIOL 471 Molecular Biology 4

BIOL 475 Proteomics 4

CHEM 315 Analytical Chemistry 4

CHEM 415 Instrumental Analysis 4

Choose eight hours from the following: 8

BIOL 472 Virology

or BIOL 473 Immunology

or BIOL 499 Independent Study

or CHEM 431 Biochemistry II

Additional Electives

Any level electives 6

Total Semester Credit Hours 120

General education requirements

Communication - 010

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.

Mathematics - 020

MATH 2413. Calculus I. 4 Semester Credit Hours.
Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

Natural Science - 030

BIOL 1406. Biology for Science Majors I (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of BIOL 1306 Biology for Science Majors I (lecture) and BIOL 1106 Biology for Science Majors I (lab), including the learning outcomes listed for both courses.

BIOL 1407. Biology for Science Majors II (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of BIOL 1307 Biology for Science Majors II (lecture) and BIOL 1107 Biology for Science Majors II (lab), including the learning outcomes listed for both courses.

Humanities - 040

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.

Visual and Performing Arts - 050

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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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, examining their impact on the individual, society, and culture.

University Options - 090

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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course requirements

BIOL 2421. Microbiology. 4 Semester Credit Hours.

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.

CHEM 2423. Organic Chemistry I (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2323 (lecture) and CHEM 2123 (lab), including the learning outcomes listed for both courses.

CHEM 2425. Organic Chemistry II (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2325 (lecture) and CHEM 2125 (lab), including the learning outcomes listed for both courses.

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.

BIOL 352. Principles of Genetics. 4 Semester Credit Hours.
Mechanisms of inheritance, from bacteria to humans; mutations and phenotypes, Mendelian genetics, population genetics and evolution, and complex in heritance. Prerequisite(s): BIOL 1407.

BIOL 390. Research Methods. 3 Semester Credit Hours.
An introduction to the general principles and procedures of scientific research with an emphasis on the use of scientific literature and methods of research. Seminar, 3 hours each week. Prerequisite(s): Junior status.

BIOL 480. Evolution. 3 Semester Credit Hours.
Examines evolutionary theory. Includes the historical development of components of evolutionary theory, population level microevolution, the fossil record, and macroevolution. Prerequisite(s): BIOL 1407, BIOL 352.

BIOL 490. Biology Capstone. 3 Semester Credit Hours.
A capstone seminar focusing on life science research conducted by seniors and faculty. Seminar, three hours each week. Prerequisite(s): BIOL 390 and senior status.

CHEM 430. Biochemistry I. 4 Semester Credit Hours.
First course in a two semester sequence. Topics include molecular components of the cell such as amino acids, proteins, enzymes, sugars, lipids, lipoproteins, nucleotides, vitamins, and coenzymes. Also covered are 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 2425 or equivalent.
MTHK 350. Principles of Bio-Statistics. 4 Semester Credit Hours.
An introduction to statistical methods that are applied in biology and agriculture. Use of technology and hands-on laboratory assignments are required in this course. This course cannot be counted on a degree program for a mathematics major. Credit cannot be awarded for both MTHK 300 and 350. Prerequisite(s): MATH 1314.

BIOL 451. Bioinformatics. 4 Semester Credit Hours.
An introduction for understanding how the genomic sequence and its variations affect phenotypes. The focus is on the information available from DNA sequencing projects, ranging from the sequences of individual genes to those of entire genomes. Students learn analytical techniques that can be used to evaluate sequence data, and examples of the biological significance of such analysis. Prerequisite(s): BIOL 470, BIOL 471.

BIOL 470. Cell Biology. 4 Semester Credit Hours.
Provides in-depth knowledge of the cell at the structural, functional, and molecular levels. Emphasis is placed on the molecular mechanisms of cell metabolism, growth, division, and communication. Laboratory focuses on cell structure and laboratory techniques. Three hours of lecture and three hours of laboratory. Prerequisite(s): BIOL 1407, BIOL 352.

BIOL 471. Molecular Biology. 4 Semester Credit Hours.
A study of modern molecular biology with an emphasis on gene structure and activity, and the biochemistry related to the understanding of the functions of the gene. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407, BIOL 470.

BIOL 475. Proteomics. 4 Semester Credit Hours.
Focuses on the theory and practice for current techniques of protein analysis including separation, quantification, sequencing, and identification. Current research advances and case studies are also examined. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 407, BIOL 471.

CHEM 315. Analytical Chemistry. 4 Semester Credit Hours.
The principles and applications of gravimetric and volumetric analysis are reviewed. Topics include the theory for selecting analytical methods; separation techniques—precipitations, extraction, and complexation; sources of error; data handling; and error analysis. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 2425 or equivalent.

CHEM 415. Instrumental Analysis. 4 Semester Credit Hours.
Focuses on chemical analysis utilizing electronic instrumentation. Topics include spectroscopy techniques, such as UV/VIS; molecular fluorescence; infrared; rama; atomic emission; atomic absorption; atomic fluorescence; NMR and mass spectrometry; electrochemical techniques, such as ion selective electrodes; polarography; coulometry; amperometry; conductance; and chromatographic techniques, such as gas, liquid, column and HPLC. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 315 or equivalent.

BIOL 472. Virology. 3 Semester Credit Hours.
A study of viruses with an emphasis on biology, diversity, and medical importance. Focusing primarily on human and animal viruses, this course combines the molecular and clinical aspects of virology. Three hours of lecture each week. Prerequisite(s): BIOL 470.

BIOL 473. Immunology. 3 Semester Credit Hours.
A study of the basic biological concepts of immunology. Presents immunology from the viewpoints of developmental biology, molecular biology, genetics, biochemistry, microbiology, anatomy, and medicine. Three hours of lecture each week. Prerequisite(s): BIOL 470.

BIOL 499. Independent Study. 1-4 Semester Credit Hours.
Extensive study and research on a particular topic of student interest under the supervision of a faculty member. The student is required to submit a written proposal which includes a description of the project, its duration, educational goals, method of evaluation, and the number of credits to be earned. Prerequisite(s): Matriculated students only and permission of the instructor.

CHEM 431. Biochemistry II. 4 Semester Credit Hours.
Second course in a two semester sequence. Topics include 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 430 or equivalent.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
## General Education Requirements

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

### Mathematics-020
- MATH 2413 Calculus I 3

### Natural Science-030
- BIOL 1406 Biology for Science Majors I (Lecture + Lab) 4
- BIOL 1407 Biology for Science Majors II (Lecture + Lab) 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 American Government I 3
- GOVT 2306 American Government II 3

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

### University Option-090
- CHEM 1411 General Chemistry I 4

## Major Lower Level Requirements

### BIOL 2421 Microbiology 4
- CHEM 1412 General Chemistry II 4
- CHEM 2423 Organic Chemistry I (Lecture + Lab) 4
- CHEM 2425 Organic Chemistry II (Lecture + Lab) 4
- PHYS 1401 College Physics I 4

## Biology Major Courses

### BIOL 352 Principles of Genetics 4
- BIOL 390 Research Methods 3
- BIOL 480 Evolution 3
- BIOL 490 Biology Capstone 3
- CHEM 430 Biochemistry I 4
- MTHK 350 Principles of Bio-Statistics 3

### Ecology/Conservation Biology Concentration

- BIOL 301 Ecology 4
- BIOL 340 Invertebrate Zoology 4
- BIOL 330 Botany 4
- BIOL 401 Conservation Biology 3
- BIOL 402 Restoration Ecology 3
- BIOL 446 Animal Behavior 3
- CHEM 431 Biochemistry II 4

- Choose seven credits from the following 7
  - BIOL 318 Animal Physiology
  - or BIOL 320 Entomology
  - or BIOL 345 Comp Vert Zoology
  - or BIOL 470 Cell Biology

## Additional Electives
- Any level electives 6

## Total Semester Credit Hours

120

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**General education requirements**

**Communication - 010**

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.

**Mathematics - 020**

MATH 2413. Calculus I. 4 Semester Credit Hours.

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

**Natural Science - 030**

BIOL 1406. Biology for Science Majors I (Lecture + Lab). 4 Semester Credit Hours.

This lecture and lab course should combine all of the elements of BIOL 1306 Biology for Science Majors I (lecture) and BIOL 1106 Biology for Science Majors I (lab), including the learning outcomes listed for both courses.

BIOL 1407. Biology for Science Majors II (Lecture + Lab). 4 Semester Credit Hours.

This lecture and lab course should combine all of the elements of BIOL 1307 Biology for Science Majors II (lecture) and BIOL 1107 Biology for Science Majors II (lab), including the learning outcomes listed for both courses.

**Humanities - 040**

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.

**Visual and Performing Arts - 050**

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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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, examining their impact on the individual, society, and culture.

University Options - 090
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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course requirements

BIOL 2421. Microbiology. 4 Semester Credit Hours.

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.

CHEM 2423. Organic Chemistry I (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2323 (lecture) and CHEM 2123 (lab), including the learning outcomes listed for both courses.

CHEM 2425. Organic Chemistry II (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2325 (lecture) and CHEM 2125 (lab), including the learning outcomes listed for both courses.

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.

BIOL 352. Principles of Genetics. 4 Semester Credit Hours.
Mechanisms of inheritance, from bacteria to humans; mutations and phenotypes, Mendelian genetics, population genetics and evolution, and complex in heritance. Prerequisite(s): BIOL 1407.

BIOL 390. Research Methods. 3 Semester Credit Hours.
An introduction to the general principles and procedures of scientific research with an emphasis on the use of scientific literature and methods of research. Seminar, 3 hours each week. Prerequisite(s): BIOL 1407.

BIOL 480. Evolution. 3 Semester Credit Hours.
Examines evolutionary theory. Includes the historical development of components of evolutionary theory, population level microevolution, the fossil record, and macroevolution. Prerequisite(s): BIOL 1407, BIOL 352.

BIOL 490. Biology Capstone. 3 Semester Credit Hours.
A capstone seminar focusing on life science research conducted by seniors and faculty. Seminar, three hours each week. Prerequisite(s): BIOL 390 and senior status.

CHEM 430. Biochemistry I. 4 Semester Credit Hours.
First course in a two semester sequence. Topics include molecular components of the cell such as amino acids, proteins, enzymes, sugars, lipids, lipoproteins, nucleotides, vitamins, and coenzymes. Also covered are 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 2425 or equivalent.
MTHK 350. Principles of Bio-Statistics. 4 Semester Credit Hours.
An introduction to statistical methods that are applied in biology and agriculture. Use of technology and hands-on laboratory assignments are required in this course. This course cannot be counted on a degree program for a mathematics major. Credit cannot be awarded for both MTHK 300 and 350. Prerequisite(s): MATH 1314.

BIOL 301. Ecology. 4 Semester Credit Hours.
Covers interactions at the organismal, population, and community level. Applications of ecological theory to current environmental problems are examined throughout the course. 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 data. Each exercise requires a report in the format of a scientific paper. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407. Co-requisite(s): MATH 350.

BIOL 340. Invertebrate Zoology. 4 Semester Credit Hours.
Focuses on the biology, ecology, taxonomy, and comparative anatomy of animals within the invertebrate phylum. Students study live and preserved specimens in the field and laboratory. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 330. Botany. 4 Semester Credit Hours.
An in-depth examination of the internal organization of plants, particularly angiosperms, with an emphasis on understanding anatomy from a structure-function standpoint. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 401. Conservation Biology. 3 Semester Credit Hours.
Focuses on conservation of biological diversity at gene, population, species, ecosystem, and global levels. This course 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. Three hours of lecture each week. Prerequisite(s): BIOL 1407.

BIOL 402. Restoration Ecology. 3 Semester Credit Hours.
Explores fundamental principles of ecological restoration. This course provides an overview of the discipline, and the scientific, and ethical, and philosophical underpinnings that guide ecological restoration. Principles of ecosystem ecology are introduced to provide and understanding of ecosystem processes across landscapes and within specific restoration sites. Three hours of lecture each week. Prerequisite: BIOL 301.

BIOL 446. Animal Behavior. 3 Semester Credit Hours.
Biological study of vertebrate and invertebrate animal behavior. Basic topics include animal learning, mechanisms of behavior, foraging, competition, defense against predation, aggression, sensory systems, communication, mating systems, and parental care behavior. Three hours of lecture per week. Prerequisite(s): BIOL 1407.

CHEM 431. Biochemistry II. 4 Semester Credit Hours.
Second course in a two semester sequence. Topics include 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 430 or equivalent.

BIOL 318. Animal Physiology. 3 Semester Credit Hours.
The emphasis is on mammalian physiology, but there is some coverage of other vertebrate taxa. The course focuses on organ-system physiology; however, cellular and molecular mechanisms are discussed in order to present a current view of physiological principles. Furthermore, emphasis is placed on nervous, muscular, cardiovascular, respiratory, renal, digestive, and endocrine physiology. Prerequisite(s): BIOL 1407.

BIOL 320. Entomology. 4 Semester Credit Hours.
An introduction to the largest and most diverse group of animals on our planet. Students examine the physiology, morphology, life histories, diversity, ecology, and evolution of insects. Laboratory focuses on anatomy and classification of insects. Insect collection is required. Three hours of lecture and three hours laboratory. Prerequisite(s): BIOL 1407.

BIOL 345. Comp Vert Zoology. 4 Semester Credit Hours.
Focuses on the biology, ecology, taxonomy, and comparative anatomy of animals within the vertebrates. Students have 'hands-on' and preserved specimens in the laboratory. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 470. Cell Biology. 4 Semester Credit Hours.
Provides in-depth knowledge of the cell at the structural, functional, and molecular levels. Emphasis is placed on the molecular mechanisms of cell metabolism, growth, division, and communication. Laboratory focuses on cell structure and laboratory techniques. Three hours of lecture and three hours of laboratory. Prerequisite(s): BIOL 1407, BIOL 352.

BIOL 499. Independent Study. 1-4 Semester Credit Hours.
Extensive study and research on a particular topic of student interest under the supervision of a faculty member. The student is required to submit a written proposal which includes a description of the project, its duration, educational goals, method of evaluation, and the number of credits to be earned. Prerequisite(s): Matriculated students only and permission of the instructor.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
## B.S. Biology with Organismal Biology Concentration

### General Education Requirements

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

**Mathematics-020**
- MATH 2413 Calculus I 3

**Natural Science-030**
- BIOL 1406 Biology for Science Majors I (Lecture + Lab) 4
- BIOL 1407 Biology for Science Majors II (Lecture + Lab) 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 American Government I 3
- GOVT 2306 American Government II 3

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

**University Option-090**
- CHEM 1411 General Chemistry I 4

### Major Lower Level Requirements

**Biology Major Courses**
- BIOL 352 Principles of Genetics 4
- BIOL 390 Research Methods 3
- BIOL 480 Evolution 3
- BIOL 490 Biology Capstone 3
- CHEM 430 Biochemistry I 4
- MTHK 350 Principles of Bio-Statistics 3

**Organismal Biology Concentration**
- BIOL 301 Ecology 4
- BIOL 315 Adv Physiology 3
- BIOL 318 Animal Physiology 3
- BIOL 330 Botany 4
- BIOL 320 Entomology 4
  - or BIOL 340 Invertebrate Zoology
- BIOL 345 Comp Vert Zoology 4
- BIOL 446 Animal Behavior 3

**Additional Electives**
- Any level electives 6

**Total Semester Credit Hours** 120

### General Education Requirements

#### Communication - 010

**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.

#### Mathematics - 020

**MATH 2413. Calculus I. 4 Semester Credit Hours.**
- Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

#### Natural Science - 030

**BIOL 1406. Biology for Science Majors I (Lecture + Lab). 4 Semester Credit Hours.**
- This lecture and lab course should combine all of the elements of BIOL 1306 Biology for Science Majors I (lecture) and BIOL 1106 Biology for Science Majors I (lab), including the learning outcomes listed for both courses.

**BIOL 1407. Biology for Science Majors II (Lecture + Lab). 4 Semester Credit Hours.**
- This lecture and lab course should combine all of the elements of BIOL 1307 Biology for Science Majors II (lecture) and BIOL 1107 Biology for Science Majors II (lab), including the learning outcomes listed for both courses.

#### Humanities - 040

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.
**Visual and Performing Arts - 050**

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 enable critical, creative, and innovative communication about works of art.

**U.S. History - 060**

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 period. 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, 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.

**Political Science - 070**

GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**

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, examining their impact on the individual, society, and culture.

**University Options - 090**

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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course requirements**

**BIOL 2421. Microbiology. 4 Semester Credit Hours.**

**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.

**CHEM 2423. Organic Chemistry I (Lecture + Lab). 4 Semester Credit Hours.**
This lecture and lab course should combine all of the elements of CHEM 2323 (lecture) and CHEM 2123 (lab), including the learning outcomes listed for both courses.

**CHEM 2425. Organic Chemistry II (Lecture + Lab). 4 Semester Credit Hours.**
This lecture and lab course should combine all of the elements of CHEM 2325 (lecture) and CHEM 2125 (lab), including the learning outcomes listed for both courses.

**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.

**BIOL 352. Principles of Genetics. 4 Semester Credit Hours.**
Mechanisms of inheritance, from bacteria to humans; mutations and phenotypes, Mendelian genetics, population genetics and evolution, and complex in heritance. Prerequisite(s): BIOL 1407.

**BIOL 390. Research Methods. 3 Semester Credit Hours.**
An introduction to the general principles and procedures of scientific research with an emphasis on the use of scientific literature and methods of research. Seminar, 3 hours each week. Prerequisite(s): Junior status.

**BIOL 480. Evolution. 3 Semester Credit Hours.**
Examines evolutionary theory. Includes the historical development of components of evolutionary theory, population level microevolution, the fossil record, and macroevolution. Prerequisite(s): BIOL 1407, BIOL 352.

**BIOL 490. Biology Capstone. 3 Semester Credit Hours.**
A capstone seminar focusing on life science research conducted by seniors and faculty. Seminar, three hours each week. Prerequisite(s): BIOL 390 and senior status.
**CHEM 430. Biochemistry I. 4 Semester Credit Hours.**
First course in a two semester sequence. Topics include molecular components of the cell such as amino acids, proteins, enzymes, sugars, lipids, lipoproteins, nucleotides, vitamins, and coenzymes. Also covered are energy yielding processes, such as the ATP cycle, glycolysis, tricarboxylic acid cycle, the phosphoglucuronate pathway, redox enzymes and electron transport, oxidative phosphorylation, fatty acid metabolism, amino acid degradation, and photosynthesis. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIOL 470.

**CHEM 431. Biochemistry II. 4 Semester Credit Hours.**
Second course in a two semester sequence. Topics include 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIOL 470.

**BIOL 446. Animal Behavior. 3 Semester Credit Hours.**
Biological study of vertebrate and invertebrate animal behavior. Basic topics include animal learning, mechanisms of behavior, foraging, competition, defense against predation, aggression, sensory systems, communication, mating systems, and parental care behavior. Three hours of lecture per week. Prerequisite(s): BIOL 1407.

**BIOL 470. Cell Biology. 4 Semester Credit Hours.**
Provides in-depth knowledge of the cell at the structural, functional, and molecular levels. Emphasis is placed on the molecular mechanisms of cell metabolism, growth, division, and communication. Laboratory focuses on cell structure and laboratory techniques. Three hours of lecture and three hours of laboratory. Prerequisite(s): BIOL 1407, BIOL 352.

**BIOL 471. Molecular Biology. 4 Semester Credit Hours.**
A study of modern molecular biology with an emphasis on gene structure and activity, and the biochemistry related to the understanding of the functions of the gene. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407, BIOL 470.

**BIOL 472. Virology. 3 Semester Credit Hours.**
A study of viruses with an emphasis on biology, diversity, and medical importance. Focusing primarily on human and animal viruses, this course combines the molecular and clinical aspects of virology. Three hours of lecture each week. Prerequisite(s): BIOL 470.

**BIOL 473. Immunology. 3 Semester Credit Hours.**
A study of the basic biological concepts of immunology. Presents immunology from the viewpoints of developmental biology, molecular biology, genetics, biochemistry, microbiology, anatomy, and medicine. Three hours of lecture each week. Prerequisite(s): BIOL 470.

**BIOL 499. Independent Study. 1-4 Semester Credit Hours.**
Extensive study and research on a particular topic of student interest under the supervision of a faculty member. The student is required to submit a written proposal which includes a description of the project, its duration, educational goals, method of evaluation, and the number of credits to be earned. Prerequisite(s): Matriculated students only and permission of the instructor.

**CHEM 431. Biochemistry II. 4 Semester Credit Hours.**
Second course in a two semester sequence. Topics include 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 430 or equivalent.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuc.edu/9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Mathematics

The Bachelor of Science in Mathematics provides a program of study that prepares students who are:

1. seeking to teach mathematics at the secondary level;
2. seeking employment in industry; or
3. seeking to pursue graduate study in Mathematics.

General Education Requirements

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<tr>
<th>Communication-010</th>
<th>ENGL 1301</th>
<th>Composition I</th>
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<td>ENGL 1302</td>
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<tr>
<td>Mathematics-020</td>
<td>MATH 1414</td>
<td>College Algebra</td>
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<tr>
<td>Natural Sciences-030</td>
<td>PHYS 2425</td>
<td>University Physics I</td>
<td>4</td>
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</tbody>
</table>

Select three hours of Natural Science

| Humanities-040 | 3 |
| Visual and Performing Art-050 | 3 |

Select three hours of Visual and Performing Arts

<table>
<thead>
<tr>
<th>U.S. History-060</th>
<th>HIST 1301</th>
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<tr>
<td>HIST 1302</td>
<td>United States History II</td>
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</table>

Political Science-070

| GOVT 2305 | American Government I | 3 |
| GOVT 2306 | American Government II | 3 |

Social and Behavioral Sciences-080

Select three hours of Social and Behavioral Sciences

| University Option-090 | MATH 2412 | Precalculus Math | 4 |

Major Course Requirements

| MATH 1342 | Elementary Statistical Methods | 3 |
| MATH 2413 | Calculus I | 4 |
| MATH 2414 | Calculus II | 4 |
| MATH 2415 | Calculus III | 4 |
| MTHK 306 | Differential Equations | 3 |
| MTHK 309 | Algebraic Function | 3 |
| MTHK 310 | Discrete Mathematics | 3 |
| MTHK 311 | Probability and Statistics I | 3 |
| MTHK 332 | Linear Algebra | 3 |
| MTHK 409 | Advanced Analysis I | 3 |
| MTHK 432 | Abstract Algebra | 3 |

Select 12 hours from the following:

| MTHK 301 | Number Theory | 12 |
| MTHK 411 | Probability & Statistics II | 3 |
| MTHK 420 | Mathematical Modeling | 3 |
| MTHK 488 | Undergraduate Research Project | 3 |
| MTHK 490 | Math Topics | 3 |

Supporting Field

12 hours any level courses within the selected support field

12 hours 300-400 level courses within the selected support field

Computer Science Electives

Computer Science any level elective

300-400 level Computer Science elective

Total Semester Credit Hours

120

1 Refer to the General Education Requirements for more information

2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

3 Note: MATH 2415 Calculus III may be taken at a local community college

4 Note: 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.

General Education Requirements

Communication - 010

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.

Mathematics - 020

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.

Natural Science - 030*

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.

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.
Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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, examining their impact on the individual, society, and culture.

University Options - 090
MATH 2412. Precalculus Math. 4 Semester Credit Hours.
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

Course Requirements
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 2413. Calculus I. 4 Semester Credit Hours.
Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

MATH 2414. Calculus II. 4 Semester Credit Hours.
Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

MATH 2415. Calculus III. 4 Semester Credit Hours.
Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green’s Theorem, the Divergence Theorem, and Stokes’ Theorem.

MTHK 306. 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.

MTHK 309. Algebraic Function. 3 Semester Credit Hours.
Surveys elements of Algebra with in-depth examination of sets, functions, quadratic equations, polynomials, exponential and logarithmic functions. To fulfill degree requirements for math or for electives, students must earn a grade of C or better. (May be used to fulfill the College Algebra requirement except for teacher education.).

MTHK 310. 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 MTHK 309.

MTHK 311. Probability and 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 either MTHK 305 or elementary probability course.
MTHK 332. 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,
isomorphism, inverse linear transformations, matrix representations
of linear transformations, similarity, direct sums, and canonical forms.
Prerequisite(s): MATH 2414.

MTHK 409. 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.

MTHK 432. Abstract Algebra. 3 Semester Credit Hours.
(WI) An introduction to abstract algebraic structures, including groups,
rings, ideals, polynomial rings, and applications. Prerequisite(s): MTHK
332.

MTHK 301. 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 MTHK including MATH 2413.

MTHK 360. Numerical Analysis I. 3 Semester Credit Hours.
An introduction to numerical analysis. Topics are be 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 C SK.

MTHK 411. Probability & Statistics II. 3 Semester Credit Hours.
Continuation of MTHK 311 with focus on statistical inference. Topics will
include The Central Limit Theorem, Sampling Distributions, Confidence
Intervals, Hypothesis Testing, Inferences Based on Two Samples, and an
introduction to ANOVA. Prerequisite(s): MTHK 311.

MTHK 420. 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.

MTHK 488. 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,
junior standing and 24 semester hours MATH and department chair
approval.

MTHK 490. Math Topics. 3 Semester Credit Hours.
Topics will be selected from areas of mathematics suitable for upper
level study. This course may be repeated once, with department chair
approval, as topics change. Prerequisite(s): MATH 2414 and 6 hours of
advanced MTHK.

For a complete list of all courses go to the Course Information (p. 241)
page.

To check if a course is offered this Semester check the Online Schedule
### B.S. Mathematics with 7-12 Certification

**General Education Requirements**

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<tr>
<td>ENGL 1301</td>
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<td>ENGL 1302</td>
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</table>

**Mathematics-020**

| MATH 1314 | College Algebra | 3 |

**Natural Sciences-030**

| PHYS 2425 | University Physics I | 4 |

Select four hours of Natural Science: ⁴

**Humanities-040**

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

**Sophomore English** ⁵

| ENGL 1302 | Composition II | 3 |

**Visual and Performing Art-050** ⁶

Select one of the following:

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

**U.S. History-060**

| HIST 1301 | United States History I | 3 |
| HIST 1302 | United States History II | 3 |

**Political Science-070**

| GOVT 2305 | American Government I | 3 |
| GOVT 2306 | American Government II | 3 |

**Social and Behavioral Sciences-080**

| PSYC 2308 | Child Psychology | 3 |

**University Option-090**

| MATH 2412 | Precalculus Math | 4 |

**Required Courses in the Field of Study**

| MATH 1342 | Elementary Statistical Methods | 3 |
| MATH 2413 | Calculus I | 4 |
| MATH 2414 | Calculus II | 4 |
| MATH 2415 | Calculus III ⁷ | 4 |
| MTHK 301 | Number Theory | 3 |
| MTHK 306 | Differential Equations | 3 |
| MTHK 310 | Discrete Mathematics | 3 |
| MTHK 311 | Probability and Statistics I | 3 |
| MTHK 315 | Mathematics and Technology | 3 |
| MTHK 332 | Linear Algebra | 3 |
| MTHK 402 | College Geometry | 3 |
| MTHK 404 | Survey of Mathematical Ideas | 3 |
| MTHK 405 | Concepts of Elem Math III | 3 |
| MTHK 409 | Advanced Analysis I | 3 |
| MTHK 432 | Abstract Algebra | 3 |
| EDUK 325 | Fundamentals of Bilingual and English as a Second Language Education | 3 |
| ESPK 361 | Survey Ex Lmr | 3 |

**Additional Required Courses**

| RDGK 351 | Content Area Reading | 3 |
| EDUK 320 | Prof Dev I-Understand Learners | 3 |
| EDUK 330 | Prof Dev II: Effective Instr | 3 |

| EDUK 430 | Pro Development III | 3 |
| EDUK 435 | Issues In Prof Development | 3 |
| EDUK 490 | Clinical Teaching | 6 |

**Total Semester Credit Hours** 120

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1 Refer to the General Education Requirements for more information.
2 Note: C or better required on all 6 hours.
4 University Physics II recommended
5 Note: C or better required
6 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
7 Note: MATH 2415 Calculus III may be taken at a local community college

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### General Education Requirements

#### Communication - 010

**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.

#### Mathematics - 020

**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.

#### Natural Science - 030*

**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.

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.
Humanities - 040*

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.

Visual and Performing Arts - 050

MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.

University Options - 090

MATH 2412. Precalculus Math. 4 Semester Credit Hours.
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

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 2413. Calculus I. 4 Semester Credit Hours.
Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

MATH 2414. Calculus II. 4 Semester Credit Hours.
Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

MATH 2415. Calculus III. 4 Semester Credit Hours.
Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green’s Theorem, the Divergence Theorem, and Stokes’ Theorem.

MTHK 301. 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 MTHK including MATH 2413.

MTHK 306. 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.

MTHK 310. 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 MTHK 309.
MTHK 311. Probability and 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 either MTHK 305 or elementary probability course.

MTHK 315. Mathematics and Technology. 3 Semester Credit Hours.
Interactive math tools, digital photography and spreadsheets are used in the classroom to provide concrete ways to explore abstract concepts, enhance success for visual learners, and promote higher order thinking skills and to deepen understanding. Software tools include GeoGebra, Maple, Geometer's Sketchpad and SPSS. Prerequisite(s): MTHK 309.

MTHK 332. 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, isomorphism, inverse linear transformations, matrix representations of linear transformations, similarity, direct sums, and canonical forms. Prerequisite(s): MATH 2414.

MTHK 402. 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 will be incorporated where appropriate. Substitutes for MTHK 302 for 4-8 certifying students. Prerequisite(s): MATH 2413.

MTHK 404. 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 MTHK 302 or MTHK 402 or concurrent enrollment.

MTHK 405. 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 be integrated into the curriculum where appropriate. Prerequisite(s): MTHK 305 for EC-6 and 4-8 Mathematics majors; MATH 2413 for all other students.

MTHK 409. 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.

MTHK 432. Abstract Algebra. 3 Semester Credit Hours.
(WI) An introduction to abstract algebraic structures, including groups, rings, ideals, polynomial rings, and applications. Prerequisite(s): MTHK 332.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

EDUK 430. Pro Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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.
EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s):
Admission to Clinical Teaching and successful completion of designated content are of the Texas Examination of Educator Standards (TExES):
Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu/prod/bwckschd.p_disp_dyn_sched).
Department of Social Sciences

- B.S. Criminal Justice (p. 95)
- B.S. Sociology (p. 98)
B.S. Criminal Justice

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 three hours of Humanities 3

Visual and Performing Art-050
Select three hours of Visual and Performing Arts 2

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

Political Science-070
GOVT 2305 American Government I 3
GOVT 2306 American Government II 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 Fundamentals of Speech 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Prof Speaking

Course Requirements
CRIJ 1301 Intro to Criminal Justice 3
CRIJ 1306 Court Systems & Practices 3
CRIJ 2328 Police Systems & Practices 3
CRIJ 1310 Fund of Criminal Law 3
CRIJ 2313 Correctional Sys & Practices 3
C JK 305 Criminology 3
C JK 310 C J Supervision & Management 3
C JK 315 Criminal Evidence 3
C JK 412 Criminal Justice Ethics 3
C JK 416 Methods Crim Justice Research 3
C JK 498 Senior Seminar 3
SOSK 300 Social Sciences Proseminar 3
SOCK 303 Race and Ethnic Relations 3
Select one of the following

SOCK 330 Social Science Statistics 3
or PSYK 330 Stats for the Behavioral Sci
or C JK 415 Crim 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

General Education Requirements

Communication - 010
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
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.

Mathematics - 020*
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 to everyday experience.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting
natural phenomena using the scientific method. Courses involve the
understanding of interactions among natural phenomena and the
implications of scientific principles on the physical world and on human
experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical,
creative, and innovative communication about works of art.
U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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, examining their impact on the individual, society, and culture.

University Options - 090*
SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
CRIJ 1301. Intro 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 2238. 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.

CRIJ 1310. Fund 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 Sys & 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.

C JK 305. Criminology. 3 Semester Credit Hours.
A study and critical appraisal of various theories of crime causation, including an examination of classical, biological, psychological, and sociological perspectives on the etiology of crime.

C JK 310. C J Supervision & Management. 3 Semester Credit Hours.
A study of theories and principles of supervision as applied to criminal justice agencies. Topics include organization, leadership, motivation, human resources flow, and managerial ethics. Prerequisite(s): Junior classification or instructor approval.

C JK 315. Criminal Evidence. 3 Semester Credit Hours.
An analysis of 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.

C JK 412. Criminal Justice Ethics. 3 Semester Credit Hours.
(WI) This course presents an analysis of contemporary ethical issues in crime and justice. Classical and contemporary ethical theories are applied to the discussion of such issues as discretion, corruption, and use of force, racism, deception, professionalism, and the nature and meaning of justice.

C JK 416. Methods Crim Justice Research. 3 Semester Credit Hours.
(WI) This course is an introduction to the methods of criminological and criminal justice research, with an emphasis on research ethics, research design, and methods of data collection and analysis.
C JK 498. Senior Seminar. 3 Semester Credit Hours.
This is a capstone course that assists the student in completing their knowledge of the criminal justice system through a study of current practices related to operations, recruitment, testing, training, law, and other issues to prepare the student for entry into the criminal justice profession. Prerequisite(s): CJK 305, CJK 310, and CJK 416. Restricted to senior-year CJ majors.

SOCK 303. Race and Ethnic Relations. 3 Semester Credit Hours.
Includes an analysis of relations between dominant groups and minority groups that make up American society. Theories of race relations and prejudice, the meaning of racial differences, group conflict, and modes of accommodation are emphasized.

SOCK 330. Social Science Statistics. 3 Semester Credit Hours.
Surveys the application of 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. The application of statistics is made to the following areas: social work, sociology, criminal justice, political science, and gerontology. SPSS is utilized for data analysis.

PSYK 330. Stats for the Behavioral Sci. 3 Semester Credit Hours.
Measures of central tendency, variability, and correlation. Applications of statistical inference to research in Psychology. Reliability and validity of psychological tests and measurement. Also included are analysis of variance, multiple analysis of variance, and regression. Prerequisite(s): PSYC 2301 and MATH 1314 or MATH 1342 or approval of the department chair.

C JK 415. Crim Justice Statistics. 3 Semester Credit Hours.
Introduction to statistical concepts and techniques that can assist one in evaluating research. Techniques include measures of central tendency, dispersion, and significance. Introduction to hypothesis testing using t-tests, ANOVA, and Chi square. The student learns to manipulate, analyze, and interpret data using SPSS.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
**B.S. Sociology**

**General Education Requirements**

**Communication-010**
- ENGL 1301. Composition I. 3 Semester Credit Hours.
- ENGL 1302. Composition II. 3 Semester Credit Hours.

**Mathematics-020**
- Select three hours of Mathematics

**Natural Sciences-030**
- Select six hours of Natural Sciences

**Humanities-040**
- Select one of the following:
  - PHIL 1301. Introduction to Philosophy. 3 Semester Credit Hours.
  - PHIL 2303. Introduction to Logic. 3 Semester Credit Hours.

**Visual and Performing Art-050**
- Select three hours of Visual and Performing Arts. 3 Semester Credit Hours.

**U.S. History-060**
- HIST 1301. United States History I. 3 Semester Credit Hours.
- HIST 1302. United States History II. 3 Semester Credit Hours.

**Political Science-070**
- GOVT 2305. American Government I. 3 Semester Credit Hours.
- GOVT 2306. American Government II. 3 Semester Credit Hours.

**Social and Behavioral Sciences-080**
- Select one of the following:
  - HIST 2311. Western Civilization I. 3 Semester Credit Hours.
  - HIST 2312. Western Civilization II. 3 Semester Credit Hours.

**University Option-090**
- SOCI 1301. Introduction to Sociology. 3 Semester Credit Hours.
- Select one of the following:
  - SPCH 1311. Fundamentals of Speech. 3 Semester Credit Hours.
  - SPCH 1315. Public Speaking. 3 Semester Credit Hours.
  - SPCH 1321. Business & Prof Speaking. 3 Semester Credit Hours.

**Course Requirements**
- Select one of the following:
  - ANTK 300. Cultural Anthropology. 3 Semester Credit Hours.
  - ANTH 2351. Cultural Anthropology. 3 Semester Credit Hours.
  - SOSK 300. Social Sciences Proseminar. 3 Semester Credit Hours.
  - SOCK 303. Race and Ethnic Relations. 3 Semester Credit Hours.
  - SOCK 320. Social Inequalities. 3 Semester Credit Hours.
  - Select one of the following:
    - SOCK 330. Social Science Statistics. 3 Semester Credit Hours.
    - C JK 415. Crim Justice Statistics. 3 Semester Credit Hours.
    - SOCK 402. Methods Of Soc Research. 3 Semester Credit Hours.
    - SOCK 403. Sociological Theory. 3 Semester Credit Hours.
    - Select one of the following:
      - SOCK 410. Sociology of the Body. 3 Semester Credit Hours.
      - SOCK 411. Sociology of Sexuality. 3 Semester Credit Hours.
      - SOCK 412. Gender In Society. 3 Semester Credit Hours.

**Minor Field**
- Any level minor field courses from the selected minor discipline. 12 Semester Credit Hours.
- 300-400 level minor filed courses from the selected minor discipline. 6 Semester Credit Hours.

**Advance Sociology Electives**
- 300-400 level Sociology electives. 18 Semester Credit Hours.

**Additional Electives**
- Any level electives. 15 Semester Credit Hours.
- Any 300-400 level elective. 3 Semester Credit Hours.

**Total Semester Credit Hours**: 120 Semester Credit Hours.

1 Refer to the General Education Requirements for more information
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

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**General Education Requirements**

**Communication - 010**
- 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.

**Mathematics - 020**
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 to everyday experience.

**Natural Science - 030**
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

**Humanities - 040**
- 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 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.

**Visual and Performing Arts - 050**
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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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.

University Options - 090*
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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
ANTK 300. Cultural Anthropology. 3 Semester Credit Hours.
An introduction to the concept of culture and the different attitudes toward cultural diversity in a postmodern, global community. Topics include prehistory, subsistence, economic anthropology, political anthropology, cultural eras, the rise of state societies, and kinship systems. Surveys theories and methods in anthropology and the history of the discipline.

ANTH 2351. Cultural Anthropology. 3 Semester Credit Hours.
Surveys the application of 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. The application of statistics is made to the following areas: social work, sociology, criminal justice, political science, and gerontology. SPSS is utilized for data analysis.

C JK 415. Crim Justice Statistics. 3 Semester Credit Hours.
Introduction to statistical concepts and techniques that can assist one in evaluating research. Techniques include measures of central tendency, dispersion, and significance. Introduction to hypothesis testing using t-tests, ANOVA, and Chi square. The student learns to manipulate, analyze, and interpret data using SPSS.

SOCK 402. Methods Of Soc Research. 3 Semester Credit Hours.
(WI) Principles and methods of social research, including research design, methods of observation, questionnaires, interviews, and other sources of social data; qualitative and quantitative techniques of inference; analysis and research report writing. Limited research studies and projects will be undertaken by the students.
SOCK 403. Sociological Theory. 3 Semester Credit Hours.
(WI) This course examines the major schools of sociological thought, including perspectives from both classic and contemporary sociological theory.

ENGK 420. Writing for Elec Med. 3 Semester Credit Hours.
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, ENGK 309.

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow’s technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

CISK 345. Topics in PC Software and Appl. 3 Semester Credit Hours.
A study of selected personal computer applications and software packages. Students 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department 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 Social Work Student Handbook for information and policies about the program.

The Social Work Program is currently in its final year of Candidacy for Accreditation from the Council on Social Work Education. We anticipate notification on program accreditation in February 2017.

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 TAMUCT. 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 are 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 a 2.5 overall GPA;
- Have a C or better in all social work courses;
- Must attend the New Social Work Student Orientation (held the first Friday of every semester), at which they receive and review the Social Work 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 an overall GPA of 2.5 or higher and having a grade of C or better in all social work courses, and
  - 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;
  - Be 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 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 Social Work Program Student Handbook located on the Social Work website is a good resource to use for information. Students have the ability to work with the 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 of providing one of three recommendations:

- Admit Unconditionally, or
- Interview Needed
- Deny Admission

The category of Admit Unconditionally provides a student with 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, mental health hospitalization, substance abuse treatment, a concern based on the Program’s Code of Conduct, any scores below 3 (average) on the Rubric for Assessing Professional Behaviors, 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 willingness to receive feedback and supervision in a positive manner throughout enrollment in the Program.

Students must also demonstrate the following professional behaviors, 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 TAMUCT BSW Program Code of Conduct, Texas 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 TAMUCT Social Work 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 TAMUCT BSW Program adopted the Rubric for Assessing Professional Behaviors (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 TAMUCT 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 skill but for behavior, the TAMUCT 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 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 Science  6
Humanities-040:
Select three hours in Humanities  3
Visual and Performing Art-050:
Select three hours of Visual and Performing Arts  2
U.S. History-060:
HIST 1301  United States History I  3
HIST 1302  United States History II  3
Political Science-070:
GOVT 2305  American Government I  3
GOVT 2306  American Government II  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  Fundamentals of Speech  3
or SPCH 1315  Public Speaking  3
or SPCH 1318  Interpersonal Communications  3
or SPCH 1321  Business & Prof Speaking  3

Required Social Work Courses in the Major

SWKK 300  Methods Skills of Social Work  3
SWKK 303  Soc Work w/Diverse Populations  3
SWKK 306  Social Welfare Policy  3
SWKK 307  Social Welfare in America  3
SWKK 308  Introduction to Social Work  3
SWKK 312  SWK Research Statistics  3
SWKK 314  Writing for Social Work Rsch  3
SWKK 316  Practice I  3
SWKK 329  Human Behav & Soc Environ I  3
SWKK 330  Biol Found of Soc Work Pract  3
SWKK 339  Human Behav & Soc Environ II  3
SWKK 412  Practice II  3
SWKK 415  Social Work and Mental Health  3
SWKK 422  Field Placement I  6
SWKK 423  Field Placement II  6
Any Level Social Work, Sociology, or Criminal Justice Electives
Any level SOCK, SWKK, or C JK electives  9
Any level electives  9
Advanced Social Work Electives
300-400 level Social Work electives  9

Total Semester Credit Hours  120

1  Refer to the General Education Requirements for more information
2  Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course. (ART, FA, MUSC, THEA)

General Education Requirements

Communication - 010

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.

Mathematics - 020*

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 to everyday experience.

Natural Science - 030*

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

Humanities - 040*

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.
Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

SPCH 1311. Fundamentals of Speech. 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 Communications. 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 & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
SWKK 300. Methods Skills of Social Work. 3 Semester Credit Hours.
This pre-practice course introduces students to the Generalist Social Work Practice Model. Beginning social work skills introduced include the principles of conducting a helping interview, including initial client contact, attending and listening, empathetic responses, exploration and elaboration, questioning, gaining cooperation, self-disclosure, and termination. Issues of problem-solving with diverse populations and persons from different cultural backgrounds as well as ethical issues of helping relationships are explored. Prerequisite(s): Completion of or concurrent enrollment in SWKK 308.

SWKK 303. Soc Work w/Diverse Populations. 3 Semester Credit Hours.
Theoretical, political, historical, cultural, and economic issues related to diverse populations. An emphasis will be placed on social work practice with oppressed populations. Societal forces that promote discriminatory and oppressive values, beliefs, and attitudes will be examined.

SWKK 306. Social Welfare Policy. 3 Semester Credit Hours.
(WI) A study of social welfare as society’s response to the needs of individuals, groups, and communities; a historical review of policy development reflecting society’s changing values; policy analysis to determine impact on various systems, including populations at risk; role of social policy in promoting social justice and social change. Prerequisite(s): SWKK 307.

SWKK 307. Social Welfare in America. 3 Semester Credit Hours.
Provides a general introduction to human services in the United States and how they have developed over time. Emphasis is 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.
**SWKK 308. Introduction to Social Work. 3 Semester Credit Hours.**
Focuses on 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. Students do 30 hours of volunteer work with a non-profit community agency as part of the course requirements.

**SWKK 312. SWK Research Statistics. 3 Semester Credit Hours.**
This course is designed to provide students with the foundation principles and concepts of the scientific method and social science research. Students also learn the basics of statistical data interpretation and critical analysis of research. Topics include: quantitative and qualitative research strategies, research design and methodology, and inferential and descriptive statistics.

**SWKK 314. Writing for Social Work Rsch. 3 Semester Credit Hours.**
(WI) This writing intensive course builds on the conceptual knowledge of Research I. Students apply knowledge to facilitate their understanding and interpretation of research findings, the evaluation and analysis process, and ethical issues in social science research. Topics include: evaluation of practice, critical evaluation of published research, and completion of a research proposal. Prerequisite(s): SWKK 306, SWKK 312.

**SWKK 316. Practice I. 3 Semester Credit Hours.**
Focus is on theories and methodologies needed for generalist social work practice with individuals and small groups. Critical evaluation of the value base of the social work profession and basic practice concepts for understanding a variety of intervention models in diverse settings are explored. Prerequisite: Admission to the Social Work Program and completion of SWKK 300.

**SWKK 329. Human Behav & Soc Environ I. 3 Semester Credit Hours.**
Using systems theory as an organizing perspective, this course provides an integrated look at the bio-psycho-social factors influencing human development. Cultural factors affecting human functioning, as well as implications for social work practice are explored. Prerequisite(s): Completion of or concurrent enrollment in SWKK 300.

**SWKK 330. Biol Found of Soc Work Pract. 3 Semester Credit Hours.**
Provides an opportunity to explore issues related to human biological functioning as applied to social work practice. Emphasis is placed on functioning of the human body across the lifespan, on healthy living and prevention of illness, and on illness and disabilities (physical and mental) that social workers encounter in clients.

**SWKK 339. Human Behav & Soc Environ II. 3 Semester Credit Hours.**
This course is a continuation of Human Behavior and Social Environment I with 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. Values and ethical issues related to bio-psycho-social theories are included. Prerequisite(s): SWKK 329.

**SWKK 412. Practice II. 3 Semester Credit Hours.**
Focus is on the theory and practice of social change at community, society, and global levels. Models of community organization–community development, social action, and social planning will be emphasized, including methods of resource delivery and redistribution. Prerequisite(s): SWKK 300, SWKK 316.

**SWKK 415. Social Work and Mental Health. 3 Semester Credit Hours.**
This course provides students with knowledge of assessment based on the current Diagnostic and Statistical Manual of Mental Disorders published by the American Psychiatric Association, psychotropic medications, and social worker roles when interacting with people with mental health issues and with interdisciplinary teams.

**SWKK 422. Field Placement I. 6 Semester Credit Hours.**
A field experience that provides the student with the opportunity to integrate theory and develop skills in an agency-based, educationally directed, professionally supervised experience in a social work practice setting. 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 SWKK 300, SWKK 301, SWKK 303, SWKK 316, SWKK 329. Internship fee $125.

**SWKK 423. Field Placement II. 6 Semester Credit Hours.**
A continuation of SWK 422 with emphasis on generalist social work practice and on the interrelationships 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): Completion of SWKK 422 with a grade of C or better. It is advised that SWKK 424 be taken as a co-requisite. Internship fee $125.

For a complete list of all courses go to the Course Information page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
College of Business Administration

Mission Statement

The primary mission of the College of Business Administration is to provide an innovative, creative, and relevant education in business disciplines to a diverse group of students. We accomplish this mission by creating an educational environment conducive to the fullest development of an individual’s learning and scholarly potential. As a community of scholars, teachers, and practitioners, we are committed to excellence in teaching, research, and service to society.

Programs

The College of Business Administration offers a baccalaureate program leading to the Bachelor of Business Administration (BBA) degree with majors in Accounting, Computer Information Systems, Finance, Management, Human Resources Management, Marketing, and Interdisciplinary Business. The College of Business Administration works with departments across the University in developing support fields for the Interdisciplinary Business degree. The program also offers a BS degree in Computer Information Systems for specialists not seeking a business degree. The College also offers the Bachelor of Applied Arts and Sciences (BAAS) degree in Business Management, and the BS in Aviation Science.

Graduate degree programs offered in The College of Business Administration are the Master of Business Administration (MBA), Master of Science (MS) in Information Systems, Master of Science in Human Resource Management, and Master of Science in Management and Leadership.

The College of Business Administration programs in Accounting, Finance, Management & Marketing are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).
Aviation Science Program

- B.S. Aviation Science-Aviation Management (p. 107)
- B.S. Aviation Science-Professional Pilot (p. 110)
B.S. Aviation 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 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 American Government I 3
GOVT 2306 American Government II 3

Social and Behavioral Sciences - 080
ECON 2301 Principles of Macroeconomics 3

University Option - 090
Select one of the following
SPCH 1311 Fundamentals of Speech 3
or SPCH 1315 Public Speaking
or SPCH 1321 Business & Prof Speaking

Major Course Requirements

ACCT 2301 Prin of Accounting I-Financial 3
ACCT 2302 Prin of Accting II-Managerial 3
Select one of the following
CISK 300 Computer Tech and Impact 3
or COSC 1301 Microcomputer Applications
ASCK 303 Air Traffic Control 3
ASCK 304 Airport Management 3
ASCK 307 Aviation History I 3
ASCK 308 Aviation History II 3
ASCK 401 Aviation Law 3
ASCK 408 Aviation Safety 3
ECOK 302 Inter Microeconomics 3
FINK 301 Prin of Fin Mgmt 3
G BK 301 Business Communications and Research 3
G BK 311 Business Statistics 3
G BK 332 Legal Environment of Business 3
G BK 344 Introduction to the Global Business Environment 3
G BK 401 Business Ethics 3
G BK 433 Business Law II 3
MGTK 301 Principles of Management 3
MGTK 302 Personnel/HRM 3
MGTK 350 Organizational Behavior 3
MGTK 406 Employer / Labor Relations 3

MGTK 421 Production & Ops Management 3

Aviation Electives
Any level Aviation elective 6

Elective
Any level electives 6

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

General Education Requirements

Communication - 010
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.

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U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.
ACCT 2302. Prin of Accting II-Managerial. 3 Semester Credit Hours.
CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow’s technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

CISK 1301. Microcomputer Applications. 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.

ASCK 303. Air Traffic Control. 3 Semester Credit Hours.
Instruction pursues Terminal Enroute Air Traffic Controllers Procedures, controller’s standpoint of ARTC, Departure, Arrival, Tracon, Airport Control Tower procedures, air traffic separation, and enroute and approach clearance criteria. Practical application of Air Traffic Control procedures by field trips and Airport Control Tower Operation are specifically accentuated.

ASCK 304. Airport Management. 3 Semester Credit Hours.
The requirements for developing a public airport, to include local and state governmental agencies, are studied. Federal aid and regulations are examined. Also, the management required for the overall airport operations to include tenant operators, leases, property development for non-aviation use, user taxation for airport operations, planning and policies, organization and administration, maintenance, safety, airport fuels, and regulations are covered in the areas studied.

ASCK 307. Aviation History I. 3 Semester Credit Hours.
A study of people and events from ancient times through 1939 that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.

ASCK 308. Aviation History II. 3 Semester Credit Hours.
A study of people and events from 1939 to the present that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.
ASC 401. Aviation Law. 3 Semester Credit Hours.
The field of aviation has developed its own distinctive body of statutes, treaties, regulations, and case law. Each of these areas are studied, as well as specialized rules and laws developed because of the distinctive nature of the airplane as a mode of transportation. Extra emphasis is placed on general aviation. Both the “text method” and “case method” are used in the course of instruction.

ASC 408. Aviation Safety. 3 Semester Credit Hours.
A detailed analysis of the effective procedures and techniques in the development and supervision of an aviation safety program. A comprehensive program in aircraft accident prevention is studied for implementation. The use of statistics and related materials are covered throughout the course. Safety measures and education media materials are extensively used.

ECO 302. Inter Microeconomics. 3 Semester Credit Hours.
This course represents a more advanced study of microeconomic theory than is possible in Economics 2302. Topics include consumer behavior, production and cost theory, market structure, and factor markets. Prerequisite(s): ECON 2302.

FIN 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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 2402 or ACCT 2402 and ECON 2301.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.
Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.

G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

G BK 433. Business Law II. 3 Semester Credit Hours.
The study of the principles of law concerning agency, employment, partnerships, corporations, bankruptcy, secured transactions, creditor/debtor rights, insurance, real and personal property, laws impacting the regulatory environment of business such as consumer protection, environment, anti-trust, and securities law. Prerequisite(s): Junior classification.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.
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): MGTK 301 or approval of Department Chair.

MGTK 350. Organizational Behavior. 3 Semester Credit Hours.
This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.

MGTK 406. Employer / Labor Relations. 3 Semester Credit Hours.
Collective bargaining, labor market fundamentals, unionism, and related issues of labor economics. Prerequisite(s): MGTK 301.

MGTK 421. Production & Ops Management. 3 Semester Credit Hours.
Topics covered include: industrial organization, scientific management, planning and control, building locations and layouts, wage rates, corporation relationships, and research. Prerequisite(s): MGTK 301, G BK 311.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
### General Education Requirements

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<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>Communication-010</td>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics-020</td>
<td></td>
<td>Select three hours of Mathematics</td>
<td>3</td>
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<tr>
<td>Natural Sciences-030</td>
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<td>Select six hours of Natural Science</td>
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<tr>
<td>Humanities-040</td>
<td></td>
<td>Select three hours of Humanities</td>
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<tr>
<td>Visual and Performing Art-050</td>
<td></td>
<td></td>
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<td></td>
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<td>Select three hours of Visual and Performing Arts</td>
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<tr>
<td>U.S. History-060</td>
<td>HIST 1301</td>
<td>United States History I</td>
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<td>HIST 1302</td>
<td>United States History II</td>
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<tr>
<td>Political Science-070</td>
<td>GOVT 2305</td>
<td>American Government I</td>
<td>3</td>
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<td></td>
<td>GOVT 2306</td>
<td>American Government II</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
<td></td>
<td>Select three hours of Social and Behavioral Science</td>
<td>3</td>
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<tr>
<td></td>
<td>SPCH 1311</td>
<td>Fundamentals of Speech</td>
<td>3</td>
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<td>or SPCH 1315 Public Speaking</td>
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<td>or SPCH 1321 Business &amp; Prof Speaking</td>
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<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td>or ECON 2302 Principles of Microeconomics</td>
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### Required Lower Level Aviation Courses

ASCL AVIM or AIPR courses as identified with Aviation Science Faculty Advisor 33

### Major Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCK 301</td>
<td>Air Carrier Operations</td>
<td>3</td>
</tr>
<tr>
<td>ASCK 304</td>
<td>Airport Management</td>
<td>3</td>
</tr>
<tr>
<td>ASCK 307</td>
<td>Aviation History I</td>
<td>3</td>
</tr>
<tr>
<td>ASCK 308</td>
<td>Aviation History II</td>
<td>3</td>
</tr>
<tr>
<td>ASCK 401</td>
<td>Aviation Law</td>
<td>3</td>
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<tr>
<td>ASCK 402</td>
<td>Advanced Aircraft Systems</td>
<td>3</td>
</tr>
<tr>
<td>ASCK 408</td>
<td>Aviation Safety</td>
<td>3</td>
</tr>
<tr>
<td>G BK 301</td>
<td>Business Communications and Research</td>
<td>3</td>
</tr>
<tr>
<td>G BK 332</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>G BK 401</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 301</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 406</td>
<td>Employer / Labor Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

### Emphasis Requirements

<table>
<thead>
<tr>
<th>Emphasis</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Pilot Emphasis</td>
<td>ASCK 302</td>
<td>Techniques of Instruction</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ASCK 303</td>
<td>Air Traffic Control</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300 - 400 level elective</td>
<td></td>
</tr>
</tbody>
</table>

**Air Traffic Control Emphasis**

300 - 400 level elective

Total Semester Credit Hours 120

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1 Refer to the General Education Requirements for more information.
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3 Nutrition cannot be used to fill this requirement.
4 Must meet Common Core requirements at other Texas Public University / College.
U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*

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, examining their impact on the individual, society, and culture.

University Options - 090

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ASCK 301. Air Carrier Operations. 3 Semester Credit Hours.
Designed to expand on the 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 instructor approval.

ASCK 304. Airport Management. 3 Semester Credit Hours.
The requirements for developing a public airport, to include local and state governmental agencies, are studied. Federal aid and regulations are examined. Also, the management required for the overall airport operations to include tenant operators,leases, property development for non-aviation use, user taxation for airport operations, planning and policies, organization and administration, maintenance, safety, airport fuels, and regulations are covered in the areas studied.

ASCK 307. Aviation History I. 3 Semester Credit Hours.
A study of people and events from ancient times through 1939 that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.

ASCK 308. Aviation History II. 3 Semester Credit Hours.
A study of people and events from 1939 to the present that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.

ASCK 401. Aviation Law. 3 Semester Credit Hours.
The field of aviation has developed its own distinctive body of statutes, treaties, regulations, and case law. Each of these areas are studied, as well as specialized rules and laws developed because of the distinctive nature of the airplane as a mode of transportation. Extra emphasis is placed on general aviation. Both the "text method" and "case method" are used in the course of instruction.

ASCK 402. Advanced Aircraft Systems. 3 Semester Credit Hours.
This course is designed to prepare the commercial pilot for the application and operation of advanced aircraft systems that are used by aircraft utilized in air carrier operations. Aerodynamics, federal aviation regulations, weight and balance, and the turbine systems are covered. Prerequisite(s): Commercial Pilot Certificate or instructor approval.
ASCK 408. Aviation Safety. 3 Semester Credit Hours.
A detailed analysis of the effective procedures and techniques in the development and supervision of an aviation safety program. A comprehensive program in aircraft accident prevention is studied for implementation. The use of statistics and related materials are covered throughout the course. Safety measures and education media materials are extensively used.

G BK 301. Business Communications and Research. 3 Semester Credit Hours.
(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a pre-requisite for most business courses.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 406. Employer / Labor Relations. 3 Semester Credit Hours.
Collective bargaining, labor market fundamentals, unionism, and related issues of labor economics. Prerequisite(s): MGTK 301.

ASCK 302. Techniques of Instruction. 3 Semester Credit Hours.
Acquaints the student with the fundamentals of teaching and learning in an aviation oriented environment. It also introduces techniques of instruction and analysis of flight maneuvers. The theory of flight and Federal Aviation Regulations relating to the flight instructor rating are taught in this course. Prerequisite(s): Commercial Pilot Certificate or instructor approval.

ASCK 303. Air Traffic Control. 3 Semester Credit Hours.
Instruction pursues Terminal Enroute Air Traffic Controllers Procedures, controller’s standpoint of ARTC, Departure, Arrival, Tracon, Airport Control Tower procedures, air traffic separation, and enroute and approach clearance criteria. Practical application of Air Traffic Control procedures by field trips and Airport Control Tower Operation are specifically accentuated.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Accounting, Finance and Economics

- B.B.A. Accounting (p. 114)
- B.B.A. Finance (p. 117)
# B.B.A. Accounting

## General Education Requirements

**Communication-010**

- ENGL 1301 Composition I 3 Semester Credit Hours.
- ENGL 1302 Composition II 3 Semester Credit Hours.

**Mathematics-020**

- Select three hours of Mathematics 3 Semester Credit Hours.
- Natural Sciences-030
  - Select six hours of Natural Science 6 Semester Credit Hours.

**Humanities-040**

- Select three hours of Humanities 3 Semester Credit Hours.
- Visual and Performing Art-050
  - Select three hours of Visual and Performing Arts 3 Semester Credit Hours.

**U.S. History-060**

- HIST 1301 United States History I 3 Semester Credit Hours.
- HIST 1302 United States History II 3 Semester Credit Hours.

**Political Science-070**

- GOVT 2305 American Government I 3 Semester Credit Hours.
- GOVT 2306 American Government II 3 Semester Credit Hours.

**Social and Behavioral Sciences-080**

- ECON 2301 Principles of Macroeconomics 3 Semester Credit Hours.

**University Option-090**

- Select one of the following
  - SPCH 1311 Fundamentals of Speech 3 Semester Credit Hours.
  - or SPCH 1315 Public Speaking 3 Semester Credit Hours.
  - or SPCH 1321 Business & Prof Speaking 3 Semester Credit Hours.

## Major Course Requirements

- ACCT 2301 Prin of Accounting I-Financial 3 Semester Credit Hours.
- ACCT 2302 Prin of Accting II-Managerial 3 Semester Credit Hours.
- ACCK 302 Cost Accounting 3 Semester Credit Hours.
- ACCK 303 Intermediate Accounting I 3 Semester Credit Hours.
- ACCK 304 Intermediate Accounting II 3 Semester Credit Hours.
- ACCK 305 Governmental & Inst. Acct 3 Semester Credit Hours.
- ACCK 307 Writing for Accountants 3 Semester Credit Hours.
- ACCK 310 Acct Info Systems 3 Semester Credit Hours.
- ACCK 401 Financial Acct 3 Semester Credit Hours.
- ACCK 403 Adv Accounting Princ 3 Semester Credit Hours.
- ACCK 405 Fed Tax Acct 3 Semester Credit Hours.
- ACCK 406 Fed Tax Acct Adv 3 Semester Credit Hours.
- ACCK 423 Ethics for Accountants 3 Semester Credit Hours.
- ACCK 424 Auditing Evidence and Report 3 Semester Credit Hours.
- ACCK 450 Management Information Systems 3 Semester Credit Hours.
- FINK 301 Prin of Fin Mgmt 3 Semester Credit Hours.
- G BK 332 Legal Environment of Business 3 Semester Credit Hours.
- G BK 459 Business Strategy 3 Semester Credit Hours.
- MGTK 301 Principles of Management 3 Semester Credit Hours.
- MKTK 301 Marketing 3 Semester Credit Hours.

Choose one of the following

- Choose one of the following
  - SPCH 1311 Fundamentals of Speech 3 Semester Credit Hours.
  - or SPCH 1315 Public Speaking 3 Semester Credit Hours.
  - or SPCH 1321 Business & Prof Speaking 3 Semester Credit Hours.

## Additional Electives

- Any level electives 9 Semester Credit Hours.

**Upper-Level COBA elective**

- 300 - 400 Level COBA Elective 3 Semester Credit Hours.

## Total Semester Credit Hours

- Total Semester Credit Hours 120 Semester Credit Hours.

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1. Refer to the General Education Requirements for more information.
2. Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3. Nutrition cannot be used to fill this requirement.
4. Must meet Common Core requirements at other Texas Public University / College.

## General Education Requirements

### Communication - 010

- 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.

### Mathematics - 020*

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 to everyday experience.

### Natural Science - 030*

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

### Humanities - 040*

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.

### Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.

ACCT 2302. Prin of Accting II-Managerial. 3 Semester Credit Hours.

ACCK 302. Cost Accounting. 3 Semester Credit Hours.
An introductory cost course, emphasizing the accounting for material, labor, and manufacturing expenses in both job order and process cost systems. Special attention is given to the distribution of service department cost, and costing of byproducts and joint products.
Prerequisite(s): ACCT 2301.

ACCK 303. Intermediate Accounting I. 3 Semester Credit Hours.
The environment of accounting, development of standards, basic theory, financial statements, worksheets, and application of generally accepted accounting principles for the business enterprise with emphasis on corporations. Prerequisite(s): ACCT 2301 or approval of the department chair.

ACCK 304. Intermediate Accounting II. 3 Semester Credit Hours.
A continuation of Intermediate I with continued emphasis on generally accepted accounting principles as applied to the business enterprise. Prerequisite(s): ACCK 303 or approval of department chair.

ACCK 305. Governmental & Inst. Acct. 3 Semester Credit Hours.
Budgeting, accounting, and financial reporting principles and practices for governmental and other not-for-profit entities. Prerequisite(s): ACCK 303 or approval of the department chair.

ACCK 307. Writing for Accountants. 3 Semester Credit Hours.
(WI) The course is designed to improve the communication skills of students entering the accounting profession. The course focuses on written communication including letter writing, memos, emails, reports, employment resumes, and writing for publication. Important skills, including organization of thought, critical thinking, and accounting research, are examined.

ACCK 310. Acct Info Systems. 3 Semester Credit Hours.
A specific study of the design and implementation of complex accounting information systems. An understanding of the traditional accounting model and its relationship to each type of accounting information system is emphasized, including accounts receivable, inventory control, cost accounting, operational budgeting, and capital budgeting. Key elements of a well-designed management control system are included. Prerequisite(s): ACCT 2301.
ACCK 401. Financial Acct. 3 Semester Credit Hours.
A study of financial statement analysis and accounting topics related to financial statement presentation and disclosure. Prerequisite(s): ACCK 304 or approval of the department chair.

ACCK 403. Adv Accounting Princ. 3 Semester Credit Hours.
Special phases of partnership accounting, joint ventures, consignments, installment sales, business combinations, and statement of affairs and accounting for insolvent concerns. Prerequisite(s): ACCK 401 or concurrent registration.

ACCK 405. Fed Tax Acct. 3 Semester Credit Hours.
The present income tax law and regulations; 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 classification. Credit for both ACCK 405 and FINK 406 will not be awarded.

ACCK 406. Fed Tax Acct Adv. 3 Semester Credit Hours.
Current income tax law and tax accounting procedures. Preparation of income tax returns for partnerships and corporations. Prerequisite(s): ACCK 405 or approval of the department chair. Credit for both ACCK 406 and FINK 406 will not be awarded.

ACCK 423. Ethics for Accountants. 3 Semester Credit Hours.
Introduction to auditing and ethical responsibilities for auditors and other accountants in both public and private practice. Topics include generally accepted auditing standards, the standard audit report, legal responsibilities of accountants, the Code of Professional Conduct for accountants, independence, and objectivity. Includes case studies involving ethical reasoning and decision making. The course objective is to provide students with a framework to make ethical decisions. Prerequisite(s): ACCK 304.

ACCK 424. Auditing Evidence and Report. 3 Semester Credit Hours.
Procedures used by auditors and accounting practitioners to gather and evaluate information, and report on their findings. Includes 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): ACCK 423.

ACCK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. The concepts of systems are development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: CISK 405, ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): COSC 1301 or 3 hours advanced CISK or ACCK 301 / CISK 301 and junior classification.

FINK 401. International Financial Mgmt. 3 Semester Credit Hours.
Issues and questions which concern financial management of international corporations. Analysis of the financing of investment abroad and the management of assets in differing financial environments. The 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): FINK 301 or approval of department chair.

G BK 459. Business Strategy. 3 Semester Credit Hours.
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MKTK 301. Marketing. 3 Semester Credit Hours.
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

MTHK 300. 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 MTHK 300 and MTHK 350. Prerequisite(s): MATH 1314.

FINK 301. International Financial Mgmt. 3 Semester Credit Hours.
Issues and questions which concern financial management of international corporations. Analysis of the financing of investment abroad and the management of assets in differing financial environments. The 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): FINK 301 or approval of department chair.

G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.
Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.

ECOK 401. International Economics. 3 Semester Credit Hours.
An introduction to 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 ECOK.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
### B.B.A. Finance

**General Education Requirements**

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<tr>
<th>Course Code</th>
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<td>Communication-010</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
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</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>Mathematics-020</td>
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**Choose one of the following**

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<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>or MATH 1324</td>
<td>Math for Bus &amp; Soc Sci I</td>
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**Natural Sciences-030**

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<tr>
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<tbody>
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<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>
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**Select three hours of Visual and Performing Arts**

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<thead>
<tr>
<th>Select three hours of Visual and Performing Arts</th>
<th>3</th>
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<tr>
<td>U.S. History-060</td>
<td>3</td>
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**Political Science-070**

<table>
<thead>
<tr>
<th>GOVT 2305</th>
<th>American Government I</th>
<th>3</th>
</tr>
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<tbody>
<tr>
<td>GOVT 2306</td>
<td>American Government II</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences-080</td>
<td>3</td>
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</tr>
</tbody>
</table>

**University Option-090**

| ECON 2301  | Principles of Macroeconomics        | 3       |
| University Option-090                         |     |

**Political Science-070**

| ECON 2302  | Principles of Microeconomics        | 3       |
| University Option-090                         |     |

**Choose one of the following**

<table>
<thead>
<tr>
<th>Choose one of the following</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 1311</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td>or SPCH 1315</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>or SPCH 1321</td>
<td>Business &amp; Prof Speaking</td>
</tr>
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**Major Course Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301</td>
<td>Prin of Accounting I-Financial</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2302</td>
<td>Prin of Accting II-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>CISK 301</td>
<td>Bus Analysis Using Sprdsheets</td>
<td>3</td>
</tr>
<tr>
<td>FINK 301</td>
<td>Prin of Fin Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>FINK 303</td>
<td>Money And Banking</td>
<td>3</td>
</tr>
<tr>
<td>or ECOK 303</td>
<td>Money And Banking</td>
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</tr>
<tr>
<td>FINK 400</td>
<td>Adv Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>FINK 401</td>
<td>International Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>FINK 403</td>
<td>Case Studies in Finance</td>
<td>3</td>
</tr>
<tr>
<td>FINK 404</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>FINK 410</td>
<td>Mgr Econ</td>
<td>3</td>
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<tr>
<td>or ECOK 410</td>
<td>Managerial Economics</td>
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</tr>
<tr>
<td>G BK 301</td>
<td>Business Communications and Research</td>
<td>3</td>
</tr>
<tr>
<td>G BK 311</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
<td>G BK 332</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>G BK 459</td>
<td>Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 301</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTK 301</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>G BK 401</td>
<td>Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 450</td>
<td>Management Information Systems</td>
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</tr>
<tr>
<td>or CISK 450</td>
<td>Management Information Systems</td>
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</tbody>
</table>

**Additional Electives**

| Lower level electives (100 - 200) | 12 |
| FINK Upper level electives (300 - 400) | 3 |
| Accounting, Finance & Accounting Upper level elective (300 - 400) | 3 |
| College of Business Administration Upper level elective (300 - 400) | 3 |
| Any Upper level elective (300 - 400) | 3 |
| Total Semester Credit Hours | 120 |

1. Refer to the General Education Requirements for more information.
2. Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3. Nutrition cannot be used to fill this requirement.

### General Education Requirements

**Communication - 010**

**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.

**Mathematics - 020**

**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 1324. Math for Bus & Soc Sci I. 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.

**Natural Science - 030**

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

**Humanities - 040**

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.
Visual and Performing Arts - 050*

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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.

University Options - 090

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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities may be used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.

ACCT 2302. Prin of Accting II-Managerial. 3 Semester Credit Hours.

CISK 301. Bus Analysis Using Sprdsheets. 3 Semester Credit Hours.
Theory and application of microcomputer technology applied in accounting, finance, management, and other business disciplines. Intended to stimulate creative initiative and to develop basic analytical skills in performing common business tasks. Credit for both CISK 301 and ACCK301 will not be awarded. Prerequisite(s): ACCT 2301.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.

FINK 303. Money And Banking. 3 Semester Credit Hours.
A study of 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. Prerequisite(s): ECON 2301.

ECOK 303. Money And Banking. 3 Semester Credit Hours.
(WI) A study of 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. Prerequisite(s): ECON 2301.

FINK 400. Adv Financ Mgmt. 3 Semester Credit Hours.
An advanced analysis of value –based management techniques with the emphasis on the factor affecting the corporation's quest to maximize shareholder wealth. Topics covered include financial statement analysis, cash flow analysis, economic and market value added securities valuation, the cost of capital, capital budgeting, capital structure, divided policy, and the use of leverage, working capital management, and corporate governance. Prerequisite(s): FINK 301, ACCK 303 and G BK 311.
**FINK 401. International Financial Mgmt. 3 Semester Credit Hours.**
Issues and questions which concern financial management of international corporations. Analysis of the financing of investment abroad and the management of assets in differing financial environments. The 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): FINK 301 or approval of department chair.

**FINK 403. Case Studies in Finance. 3 Semester Credit Hours.**
(WI) Capstone course requires students to use fundamental concepts learned in previous finance, accounting, and economics courses to analyze real-world finance problems. Using both structured and unstructured cases, student teams analyze problems and recommend solutions. Argument is presented both orally and in writing. Cases draw from such areas as corporate finance, investments, international finance, and personal finance. Prerequisite(s): FINK 301.

**FINK 404. Investments. 3 Semester Credit Hours.**
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): ACCT 2302 or ACCT 2402 and FINK 301.

**FINK 410. Mgr Econ. 3 Semester Credit Hours.**
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics included concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FINK 410 and ECK 410 will not be awarded. Prerequisite(s): FINK 301.

**ECOK 410. Managerial Economics. 3 Semester Credit Hours.**
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics include concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FINK 410 and ECK 410 will not be awarded. Prerequisite(s): FINK 301.

**G BK 459. Business Strategy. 3 Semester Credit Hours.**
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

**MGTK 301. Principles of Management. 3 Semester Credit Hours.**
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

**MKTK 301. Marketing. 3 Semester Credit Hours.**
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

**G BK 401. Business Ethics. 3 Semester Credit Hours.**
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

**MGTK 450. Management Information Systems. 3 Semester Credit Hours.**
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

**CISK 450. Management Information Systems. 3 Semester Credit Hours.**
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): Senior classification.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Computer Information Systems

- B.B.A. Computer Information Systems (p. 121)
- B.S. Computer Information Systems-Management and Networking (p. 125)
- B.S. Computer Information Systems-Software Engineering and Database Design (p. 129)
- B.S. Computer Science (p. 133)
## B.B.A. Computer Information Systems

### General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Communication</td>
<td>ENGL 1301 Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL 1302 Composition II</td>
<td>3</td>
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<td>Mathematics</td>
<td>Select three hours of Mathematics</td>
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</tr>
<tr>
<td></td>
<td>Natural Sciences 030</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select six hours of Natural Science</td>
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</tr>
<tr>
<td>Humanities</td>
<td>Select three hours of Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Visual and Performing Arts</td>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
</tr>
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<td>U.S. History</td>
<td>HIST 1301 United States History I</td>
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<td>HIST 1302 United States History II</td>
<td>3</td>
</tr>
<tr>
<td>Political Science</td>
<td>GOVT 2305 American Government I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GOVT 2306 American Government II</td>
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<tr>
<td>Social and Behavioral Sciences</td>
<td>ECON 2301 Principles of Macroeconomics</td>
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</tr>
<tr>
<td>University Option</td>
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<tr>
<td></td>
<td>SPCH 1311 Fundamentals of Speech</td>
<td>3</td>
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<tr>
<td></td>
<td>or SPCH 1315 Public Speaking</td>
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<tr>
<td></td>
<td>or SPCH 1321 Business &amp; Prof Speaking</td>
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### Major Course Requirements

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<td>Accounting</td>
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<td></td>
<td>ACCT 2302 Prin of Accting II-Managerial</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CISK 347 Data Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CISK 389 System Analysis and Design</td>
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<tr>
<td></td>
<td>CISK 401 Database Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CISK 450 Management Information Systems</td>
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</tr>
<tr>
<td></td>
<td>ENGI 309 Tech Writing &amp; Document Design</td>
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<tr>
<td></td>
<td>FINK 301 Prin of Fin Mgmt</td>
<td>3</td>
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<tr>
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<td>G BK 332 Legal Environment of Business</td>
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</tr>
<tr>
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<td>G BK 459 Business Strategy</td>
<td>3</td>
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<tr>
<td></td>
<td>MGTK 301 Principles of Management</td>
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<td>MKTK 301 Marketing</td>
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Select one of the following:

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<th>Hours</th>
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<tr>
<td>CISK 303</td>
<td>Programming Logic and Design</td>
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<td>or COSC 1309</td>
<td>Programming Logic &amp; Design</td>
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</tr>
<tr>
<td>or BCIS 1309</td>
<td>Intro to Program Logic &amp; Desig</td>
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Select one of the following:

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<th>Course</th>
<th>Hours</th>
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<tbody>
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<tr>
<td>or COSC 1301</td>
<td>Microcomputer Applications</td>
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<tr>
<td>or BCIS 1301</td>
<td>Microcomputer Applications</td>
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Select one of the following:

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<th>Hours</th>
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<tbody>
<tr>
<td>CISK 330</td>
<td>C++ Programming</td>
<td>3</td>
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</table>

or CISK 331 Visual Basic Programming
or CISK 332 Java Programming
or ITSE 2421 Object-Oriented Program
or ITSE 1402 Computer Programing

Select one of the following:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
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<tbody>
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<td>CISK 340</td>
<td>Advance C++ Programing</td>
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<tr>
<td>or CISK 341</td>
<td>Advance VB Programing</td>
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</tr>
<tr>
<td>or CISK 342</td>
<td>Advance Java Programing</td>
<td></td>
</tr>
<tr>
<td>CISK/ACCK 301</td>
<td>Bus Analysis Using Spreadsheets</td>
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<tr>
<td>or FINK 401</td>
<td>International Financial Mgmt</td>
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</tr>
<tr>
<td>or G BK 344</td>
<td>Introduction to the Global Business Environment</td>
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Select one of the following:

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<th>Hours</th>
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<tr>
<td>or MTHK 300</td>
<td>Principles of Statistics</td>
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<tr>
<td>G BK 433</td>
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### Computer Science Electives

Select one of the following:

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<td>or MTHK 300</td>
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<tr>
<td>G BK 433</td>
<td>Business Law II (or Advanced (300 - 400 Level) Elective)</td>
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</thead>
<tbody>
<tr>
<td>G BK 344</td>
<td>Introduction to the Global Business Environment</td>
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</table>

### General Education Requirements

#### Communication - 010

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 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.

#### Mathematics - 020*

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 to everyday experience.
Natural Science - 030*

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

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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 enable critical, creative, and innovative communication about works of art.

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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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

ECON 2301. Principles of Macroeconomics. 3 Semester Credit Hours.
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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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.
ACCT 2302. Prin of Accounting II-Managerial. 3 Semester Credit Hours.

CISK 347. Data Communications. 3 Semester Credit Hours.
A study of voice and data communications technologies, concepts, and applications, including communications terminology, hardware, software, protocols, and managerial issues in data and voice communications. Topics include alternatives available in hardware, software, and transmission facilities; design integration; and selection and implementation of communications solutions. In addition, students explore the current and future impact and directions of these technologies.

CISK 389. System Analysis and Design. 3 Semester Credit Hours.
A study of the systematic analysis, design, and implementation of software systems, with a special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Traditional and current methodologies, including computer aided analysis and design tools, are considered. Topics are approached through project-oriented cases and projects, which integrate theory and practical application. Prerequisite(s): One course from CISK 330, CISK 331, CISK 332, or approval of the department chair.
CISK 401. Database Theory and Practice. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with an emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered.

CISK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of various business subsystems. The concepts of systems development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): Senior classification.

ENGK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of shareholder wealth. Topics covered include 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.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 459. Business Strategy. 3 Semester Credit Hours.
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MGTK 301. A materials fee of $45 is required for needed course materials.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MKT 301. Marketing. 3 Semester Credit Hours.
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

CISK 303. Programming Logic and Design. 3 Semester Credit Hours.
Emphasis is on typical business processing. Covers the logic of decision-making, nested looping, multidimensional arrays, implementation of the structure theorem, and boolean algebra. The tools taught for documenting logical problem solutions include structured flowcharts, structured pseudo code, hierarchy charts, and decision tables. The course focuses on business problem solving and does not count as a programming language.

COSC 1309. Programming Logic & Design. 3 Semester Credit Hours.

BCIS 1309. Intro to Program Logic & Desig. 3 Semester Credit Hours.

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow's technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

COSC 1301. Microcomputer Applications. 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.

BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.

CISK 330. C++ Programming. 3 Semester Credit Hours.
An accelerated study of structured C++ programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 331. Visual Basic Programming. 3 Semester Credit Hours.
A study of C++ programing techniques. Students analyze and program several problems. Prerequisite(s): COSC 1301 or CISK 300, and COSC 2301 or CISK 301, or concurrent enrollment, or approval of the department chair.

CISK 332. Java Programming. 3 Semester Credit Hours.
An in-depth study of applications development using Java. Covers identifiers and reserved words, objects and primitive data, program statements, arrays and vectors, exceptions and I/O streams, graphical user interfaces, and numerous additional Visual Basic topics. Students analyze and program several problems. Prerequisite(s): CISK 303 or approval of the department chair.

ITSE 2421. Object-Oriented Program. 4 Semester Credit Hours.

ITSE 1402. Computer Programing. 4 Semester Credit Hours.

CISK 340. Advance C++ Programming. 3 Semester Credit Hours.
An advanced course in the C++ programming language. Covers the advanced features of C++, such as classes, friends, abstraction, operator overloading, inheritance, polymorphism, templates, and object oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 2421 or CISK 330, or approval of the department chair.

CISK 341. Advance VB Programing. 3 Semester Credit Hours.
A study of advanced Visual Basic programming techniques, including declaration and manipulation of arrays, accessing database files, and advanced data handling techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 1401 or CISK 331, or approval of the department chair.
CISK 342. Advance Java Programing. 3 Semester Credit Hours.
An advanced course in the Java programming language. Covers advanced Java capabilities, such as class features, error handling, security techniques, Java streams, JavaBeans, database connectivity, Java servlets, and Java Server pages, and advanced object-oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 2417 or CISK 332, or approval of the department chair.

CISK 301. Bus Analysis Using Spreadsheets. 3 Semester Credit Hours.
Theory and application of microcomputer technology applied in accounting, finance, management, and other business disciplines. Intended to stimulate creative initiative and to develop basic analytical skills in performing common business tasks. Credit for both CISK 301 and ACCK301 will not be awarded. Prerequisite(s): ACCT 2301.

ACCK 301. Bus Analysis Using Spreadsheets. 3 Semester Credit Hours.
Theory and application of microcomputer spreadsheet technology applied in accounting, finance, management, and other business disciplines. Intended to stimulate creative initiative and to develop basic skills in performing common business tasks. Credit for both CISK 301 and ACCK 301 will not be awarded. Prerequisite(s): ACCT 2301.

ECOK 401. International Economics. 3 Semester Credit Hours.
An introduction to 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 ECOK.

FINK 401. International Financial Mgmt. 3 Semester Credit Hours.
Issues and questions which concern financial management of international corporations. Analysis of the financing of investment abroad and the management of assets in differing financial environments. The 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): FINK 301 or approval of department chair.

G BK 433. Business Law II. 3 Semester Credit Hours.
The study of the principles of law concerning agency, employment, partnerships, corporations, bankruptcy, secured transactions, creditor/debtor rights, insurance, real and personal property, laws impacting the regulatory environment of business such as consumer protection, environment, anti-trust, and securities law. Prerequisite(s): Junior classification.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Computer Information Systems - Management and Networking

**General Education Requirements**

- **Communication-010**
  - ENGL 1301 Composition I
  - ENGL 1302 Composition II

- **Mathematics-020**
  - Select three hours of Mathematics

- **Natural Sciences-030**
  - Select six hours of Natural Science

- **Humanities-040**
  - Select three hours of Humanities

- **Visual and Performing Art-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 American Government I
  - GOVT 2306 American Government II

- **Social and Behavioral Sciences-080**
  - Select three hours of Social and Behavioral Science

- **University Option-090**
  - ECON 2302 Principles of Microeconomics

- **Select one of the following**
  - SPCH 1311 Fundamentals of Speech
  - or SPCH 1315 Public Speaking
  - or SPCH 1321 Business & Prof Speaking

**Major Course Requirements**

- **ACCT 2301** Prin of Accounting I-Financial
- **CISK 346** PC Technology
- **CISK 347** Data Communications
- **CISK 348** Network Architecture Design
- **CISK 389** System Analysis and Design
- **CISK 401** Database Theory and Practice
- **CISK 445** Network and Systems Security
- **CISK 450** Management Information Systems
- **CISK 476** Network Administration
- **CISK 478** Comprehensive Networking
- **ENGK 309** Tech Writing & Document Design
- **G BK 311** Business Statistics
- **MTK 301** Principles of Management

- **Select one of the following**
  - CISK 300 Computer Tech and Impact
  - or COSC 1301 Microcomputer Applications

- **Select one of the following**
  - CISK 330 C++ Programming
  - or CISK 331 Visual Basic Programming
  - or CISK 332 Java Programming
  - or ITSE 2421 Object-Oriented Program
  - or ITSE 1402 Computer Programming

**Computer Information Systems Electives**

- Any level CIS electives
- 300 - 400 level CISK electives

**Electives**

- Any level electives

**Total Semester Credit Hours**

1 Refer to the General Education Requirements for more information.
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3 Nutrition cannot be used to fill this requirement.
4 Must meet Common Core requirements at other Texas Public University / College.

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**General Education Requirements**

**Communication - 010**

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.

**Mathematics - 020**

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 to everyday experience.

**Natural Science - 030**

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

**Humanities - 040**

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.

**Visual and Performing Arts - 050**
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 enable critical, creative, and innovative communication about works of art.

**U.S. History - 060**
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-Civil War/Reconstruction era to the Civil War/Reconstruction period. 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.

**Political Science - 070**
GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**
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, examining their impact on the individual, society, and culture.

**University Options - 090**
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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course Requirements**
ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.
COSC 1301. Microcomputer Applications. 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.

ITSE 2421. Object-Oriented Program. 4 Semester Credit Hours.
ITSE 1402. Computer Programing. 4 Semester Credit Hours.
CISK 1309. Programming Logic & Design. 3 Semester Credit Hours.
CISK 346. PC Technology. 3 Semester Credit Hours.
An enhanced study of the technology and hardware operation of microcomputers, their peripherals, and operating system software. Also considered are hardware configuration and selection, installation and test procedures, and routine maintenance.

CISK 347. Data Communications. 3 Semester Credit Hours.
A study of voice and data communications technologies, concepts, and applications, including communications terminology, hardware, software, protocols, and managerial issues in data and voice communications. Topics include alternatives available in hardware, software, and transmission facilities; design integration; and selection and implementation of communications solutions. In addition, students explore the current and future impact and directions of these technologies.
CISK 348. Network Architecture Design. 3 Semester Credit Hours.
A study of network architecture, industry standards and communications protocols, the placement of networking devices and components, transmission media selection, logical and physical topologies, data transmission, and structured cabling for local area networks (LANs) and wide area networks (WANs). Network designs include required components and address services as specified in an industry specific Request for Proposal (RFP). Application exercises include preparing and presenting a design proposal in response to an RFP, and installation, configuration, testing, and troubleshooting of WAN/LAN wiring interface technologies. Prerequisite(s): CISK 347, or the combination of ITNW 1325 and ITNW 2321, or approval of the department chair.

CISK 389. System Analysis and Design. 3 Semester Credit Hours.
A study of the systematic analysis, design, and implementation of software systems, with a special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Traditional and current methodologies, including computer aided analysis and design tools, are considered. Topics are approached through project-oriented cases and projects, which integrate theory and practical application. Prerequisite(s): One course from CISK 330, CISK 331, CISK 332, or approval of the department chair.

CISK 401. Database Theory and Practice. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with an emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered.

CISK 445. 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 provides approaches, techniques, and best practices for securing modern electronic data systems. Areas covered include electronic information and message security, database and file integrity, physical security, security management, security risk analysis, and encryption. Prerequisite(s): ITNW 2321 or CISK 347 or approval of the department chair.

CISK 450. Management Information Systems. 3 Semester Credit Hours. (WI) This course investigates management issues related to business information systems designed to meet the informational needs of various business subsystems. The concepts of systems development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): Senior classification.

CISK 476. Network Administration. 3 Semester Credit Hours.
Studies communications architectures, protocols, and interfaces as they relate to network operating systems. Topics include communications networking techniques such as circuit switching, packet switching, broadcast networking, and internetworking. Also included are the installation, configuration, client handling, basic security, and troubleshooting of a network operating system. A modern network operating system is used to provide extensive hands-on experience in configuring and administrating a network. Prerequisite(s): ITNW 2321 or CISK 347, or approval of the department chair. Networking certification fee: $175.

CISK 478. Comprehensive Networking. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Application exercises include the installation and configuration of a network operating system, the creation of required user interfaces, the establishment of network security, and the establishment of print services for a network. A modern network operating system will be used for extensive hands-on computer exercises to practice and demonstrate network skills. Prerequisite(s): CISK348 OR (COSC 2436 and ITSE 1431 and MATH 2414). Networking program fee: $175.

ENGK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
Covers logic, working with forms, sequential and direct file access, scope and visibility rules, and numerous additional Visual Basic topics. Students analyze and program several problems. Prerequisite(s): COSC 1301 or CISK 300, and COSC 1309 or CISK 303, or concurrent enrollment, or approval of the department chair.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Explores today and tomorrow’s technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours. (WI) 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.

CISK 330. C++ Programming. 3 Semester Credit Hours.
An accelerated study of structured C++ programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 331. Visual Basic Programming. 3 Semester Credit Hours.
An enhanced coverage of visual application development using Visual Basic and the native integrated development environment. Covers logic, working with forms, sequential and direct file access, scope and visibility rules, and numerous additional Visual Basic topics. Students analyze and program several problems. Prerequisite(s): COSC 1301 or CISK 300, and COSC 1309 or CISK 303, or concurrent enrollment, or approval of the department chair.
CISK 332. Java Programming. 3 Semester Credit Hours.
An in-depth study of applications development using Java. Covers
identifiers and reserved words, objects and primitive data, program
statements, arrays and vectors, exceptions and I/O streams, graphical
user interfaces, and numerous additional JAVA topics. Students analyze
and program several problems. Prerequisite(s): CISK 303 or approval of
the department chair.

CISK 303. Programming Logic and Design. 3 Semester Credit Hours.
Emphasis is on typical business processing. Covers the logic of decision-
making, nested looping, multidimensional arrays, implementation
of the structure theorem, and boolean algebra. The tools taught for
documenting logical problem solutions include structured flowcharts,
structured pseudo code, hierarchy charts, and decision tables. The
course focuses on business problem solving and does not count as a
programming language.

CISK 340. Advance C++ Programming. 3 Semester Credit Hours.
An advanced course in the C++ programming language. Covers the
advanced features of C++, such as classes, friends, abstraction, operator
overloading, inheritance, polymorphism, templates, and object oriented
programming techniques. Students analyze and program several
representative problems. Prerequisite(s): ITSE 2421 or CISK 330, or
approval of the department chair.

CISK 341. Advance VB Programing. 3 Semester Credit Hours.
A study of advanced Visual Basic programming techniques, including
declaration and manipulation of arrays, accessing database files, and
advanced data handling techniques. Students analyze and program
several representative problems. Prerequisite(s): ITSE 1401 or CISK 331,
or approval of the department chair.

CISK 342. Advance Java Programing. 3 Semester Credit Hours.
An advanced course in the Java programming language. Covers
advanced Java capabilities, such as class features, error handling,
security techniques, Java streams, JavaBeans, database connectivity,
Java servlets, and Java Server pages, and advanced object-oriented
programming techniques. Students analyze and program several
representative problems. Prerequisite(s): ITSE 2417 or CISK 332, or
approval of the department chair.

CISK 343. C# for Windows and Web-Prog. 3 Semester Credit Hours.
Advanced programming using the C# programming language to create
Windows applications in an Internet and intra-network environment.
Explores object-oriented design, client-server interaction, event-driven
programming, graphical user interfaces, distributed data, and distributed
applications.

For a complete list of all courses go to the Course Information (p. 241)
page.

To check if a course is offered this Semester check the Online Schedule
B.S. Computer Information Systems-
Software Engineering and Database Design

General Education Requirements

Communication - 010
ENGL 1301 Composition I 3 Semester Credit Hours.

ENGL 1302 Composition II 3

Mathematics - 020
Select three hours of Mathematics 3

Natural Science - 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 Art 3

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

HIST 1302 United States History II 3

Political Science - 070
GOVT 2305 American Government I 3

GOVT 2306 American Government II 3

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

University Option - 090
ECON 2302 Principles of Microeconomics 3

Select one of the following

SPCH 1311 Fundamentals of Speech 3

or SPCH 1321 Business & Prof Speaking 3

or SPCH 1315 Public Speaking 3

Major Course Requirements

ACCT 2301 Prin of Accounting I - Financial 3

CISK 300 Operating Sys Theory and Prac 3

CISK 315 Web Site Develop and Design 3

CISK 347 Data Communications 3

CISK 351 Data Structures 3

CISK 389 System Analysis and Design 3

CISK 401 Database Theory and Practice 3

CISK 440 Algorithm Design and Analysis 3

CISK 450 Management Information Systems 3

CISK 452 Structured Query Language 3

CISK 480 Software Engineering 3

ENGK 309 Tech Writing & Document Design 3

G BK 311 Business Statistics 3

MGT 301 Principles of Management 3

Select one of the following

CISK 300 Computer Tech and Impact 3

or COSC 1301 Microcomputer Applications 3

Select one of the following

CISK 330 C++ Programming 3

or CISK 331 Visual Basic Programming 3

Computer Information Systems Electives

Any level CIS electives 6

300 - 400 level CISK electives 6

General Education Requirements

Communication - 010

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.

Mathematics - 020

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 to everyday experience.

Natural Science - 030

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.
**Humanities - 040***
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.

**Visual and Performing Arts - 050***
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 enable critical, creative, and innovative communication about works of art.

**U.S. History - 060**
**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 period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction era. 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 and diversity, 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.

**Political Science - 070**
**GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080***
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, examining their impact on the individual, society, and culture.

**University Options - 090**
**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.

**SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

**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.

* Courses that meet this requirement at other Texas Public Colleges and Universities may be used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course Requirements**
**ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.**

**COSC 1301. Microcomputer Applications. 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.

**CISK 305. Operating Sys Theory and Prac. 3 Semester Credit Hours.**
A study of the history, development, and principles of computer operating systems, and their variants in mainframe, minicomputer, server, and microcomputer application environments. Topics include related software issues, programming capabilities, and job control languages. Selected operating systems representing various hardware environments are studied. Prerequisite(s): One course from advanced programming language, CISK 330, CISK 331, CISK 332, CISK 343, or approval of the department chair.

**CISK 315. Web Site Develop and Design. 3 Semester Credit Hours.**
A study of the principles of web authoring including planning, design, and production of interactive web pages. Exploration and implementation of a variety of current web authoring tools and web-based scripting languages.
CISK 347. Data Communications. 3 Semester Credit Hours.
A study of voice and data communications technologies, concepts, and applications, including communications terminology, hardware, software, protocols, and managerial issues in data and voice communications. Topics include alternatives available in hardware, software, and transmission facilities; design integration; and selection and implementation of communications solutions. In addition, students explore the current and future impact and directions of these technologies.

CISK 351. Data Structures. 3 Semester Credit Hours.
Theory and application of commonly used computer data structures, files, file organization and access methods, databases, and other storage and retrieval methods. Prerequisite(s): CISK 340 or CISK 341, CISK 342, or CISK 343, or approval of the department chair.

CISK 389. System Analysis and Design. 3 Semester Credit Hours.
A study of the systematic analysis, design, and implementation of software systems, with a special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Traditional and current methodologies, including computer aided analysis and design tools, are considered. Topics are approached through project-oriented cases and projects, which integrate theory and practical application. Prerequisite(s): One course from CISK 330, CISK 331, CISK 332, or approval of the department chair.

CISK 401. Database Theory and Practice. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with an emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered.

CISK 440. Algorithm Design and Analysis. 3 Semester Credit Hours.
Introduces the modern study of computer algorithms with an emphasis on how to select the best algorithm for a task considering the specific computing environment. Students extensively study searching and sorting algorithms for their importance in computing. Other topics include efficiency, readability, and maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): CISK 351 or approval of the department chair.

CISK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of various business subsystems. The concepts of systems development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): Senior classification.

CISK 452. Structured Query Language. 3 Semester Credit Hours.
A study of SQL, including relational database schema in SQL, formulating SQL queries and sub queries of varying complexity, embedding SQL statements in a “host” language, defining and querying data views in SQL, and other related topics. Prerequisite(s): CISK 401 or approval of the department chair.

CISK 480. Software Engineering. 3 Semester Credit Hours.
Emphasizes the production of high quality software for medium and larger scale projects. Theoretical software engineering research is the basis for a practical approach to developing quality software. Students study a software life-cycle model, fundamental software engineering principles, and documentation standards in detail. A significant team project is required. Prerequisite(s): CISK 340 or CISK 341 or CISK 342 or CISK 343 and senior classification.

ENGK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow’s technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

CISK 330. C++ Programming. 3 Semester Credit Hours.
An accelerated study of structured C++ programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 331. Visual Basic Programming. 3 Semester Credit Hours.
An enhanced coverage of visual application development using Visual Basic and the native integrated development environment. Covers logic, working with forms, sequential and direct file access, scope and visibility rules, and numerous additional Visual Basic topics. Students analyze and program several problems. Prerequisite(s): COSC 1301 or CISK 300, and COSC 1309 or CISK 303, or concurrent enrollment, or approval of the department chair.

CISK 332. Java Programming. 3 Semester Credit Hours.
An in-depth study of applications development using Java. Covers identifiers and reserved words, objects and primitive data, program statements, arrays and vectors, exceptions and I/O streams, graphical user interfaces, and numerous additional JAVA topics. Students analyze and program several problems. Prerequisite(s): CISK 303 or approval of the department chair.
ITSE 2421. Object-Oriented Program. 4 Semester Credit Hours.

ITSE 1402. Computer Programming. 4 Semester Credit Hours.

CISK 303. Programming Logic and Design. 3 Semester Credit Hours.
Emphasis is on typical business processing. Covers the logic of decision-making, nested looping, multidimensional arrays, implementation of the structure theorem, and boolean algebra. The tools taught for documenting logical problem solutions include structured flowcharts, structured pseudo code, hierarchy charts, and decision tables. The course focuses on business problem solving and does not count as a programming language.

COSC 1309. Programming Logic & Design. 3 Semester Credit Hours.

CISK 340. Advance C++ Programming. 3 Semester Credit Hours.
An advanced course in the C++ programming language. Covers the advanced features of C++, such as classes, friends, abstraction, operator overloading, inheritance, polymorphism, templates, and object oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 2421 or CISK 330, or approval of the department chair.

CISK 341. Advance VB Programming. 3 Semester Credit Hours.
A study of advanced Visual Basic programming techniques, including declaration and manipulation of arrays, accessing database files, and advanced data handling techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 1401 or CISK 331, or approval of the department chair.

CISK 342. Advance Java Programming. 3 Semester Credit Hours.
An advanced course in the Java programming language. Covers advanced Java capabilities, such as class features, error handling, security techniques, Java streams, JavaBeans, database connectivity, Java servlets, and Java Server pages, and advanced object-oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 2417 or CISK 332, or approval of the department chair.

CISK 343. C# for Windows and Web-Program. 3 Semester Credit Hours.
Advanced programming using the C# programming language to create Windows applications in an Internet and intra-network environment. Explores object-oriented design, client-server interaction, event-driven programming, graphical user interfaces, distributed data, and distributed applications.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Computer Science

**General Education Requirements**

<table>
<thead>
<tr>
<th>Communication-010</th>
<th>ENGL 1301  Composition I</th>
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<tbody>
<tr>
<td>ENGL 1302  Composition II</td>
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<tr>
<td>Mathematics-020</td>
<td>MATH 2413  Calculus I 3</td>
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<tr>
<td>Natural Sciences-030</td>
<td>PHYS 2325  University Physics I (PHYS 2125 Lab Required)</td>
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<td>or PHYS 2425  University Physics I</td>
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<tr>
<td>PHYS 2326  University Physics II (PHYS 2126 Lab Required)</td>
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<td>or PHYS 2426  University Physics II</td>
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<tr>
<td>Humanities-040</td>
<td>Select three hours of Humanities</td>
<td>3</td>
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<tr>
<td>Visual and Performing Art-050</td>
<td>Select three hours of Visual and Performing Arts</td>
<td>3</td>
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<tr>
<td>Social and Behavioral Sciences-080</td>
<td>Select three hours of Social and Behavioral Science</td>
<td>3</td>
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<tr>
<td>University Option-090</td>
<td>MATH 2414  Calculus II</td>
<td>3</td>
</tr>
</tbody>
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**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          | MTHK 300  Principles of Statistics | 3 |
| or MATH 1342  Elementary Statistical Methods |             |   |
| Select one of the following          | MTHK 310  Discrete Mathematics | 3 |
| or MATH 2305  Discrete Mathematics |             |   |
| C SK 343  Computer Architecture | 3 |
| C SK 351  Data Structures | 3 |
| C SK 380  Operating Systems | 3 |
| C SK 389  Intro to Software Engineering |   |   |
| C SK 401  Database Theory and Practices | 3 |
| C SK 440  Analysis of Algorithms | 3 |
| C SK 441  IT Security and Risk Management | 3 |
| C SK 478  Computer Networks | 3 |
| Select one of the following          | CISK 330  C++ Programming | 3 |
| or CISK 332  Java Programming |             |   |
| or CISK 343  C# for Windows and Web-Prog |                     |   |
| ENGK 309  Tech Writing & Document Design | 3 |
| Select one of the following          | MTHK 360  Numerical Analysis I | 3 |
| or MTHK 332  Linear Algebra |             |   |

**Electives**

| Any level electives | 6 |
| 300 - 400 level electives (faculty approval required) | 24 |

Total Semester Credit Hours 120

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1 Refer to the General Education Requirements for more information.

2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

3 A Student may need to take foundation courses such as algebra, trigonometry, or pre-calculus before taking the required calculus courses. Student may apply up to 6 hours of these foundation courses as electives in the Lower-level Course Requirements.

**General Education Requirements**

**Communication - 010**

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.

**Mathematics - 020**

MATH 2413. Calculus I. 4 Semester Credit Hours.

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

**Natural Science - 030**

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 2125. University Physics Lab I. 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 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. 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 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 2126. University Physics Lab II. 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 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.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080*
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, examining their impact on the individual, society, and culture.

University Options - 090
MATH 2414. Calculus II. 4 Semester Credit Hours.
Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
COSC 1315. Fundamentals of Programming. 3 Semester Credit Hours.
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.

MTHK 300. 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 MTHK 300 and MTHK 350. Prerequisite(s): MATH 1314.

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.
MTHK 310. 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 MTHK 309.

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.

C SK 343. Computer Architecture. 4 Semester Credit Hours.
(WI) Hardware and software structures found in modern digital computers. Instruction set architecture, hardwired design of the processor, assembly language programming, microprogramming, I/O and memory units, analysis of instruction usage, and hardware complexity.

C SK 351. Data Structures. 3 Semester Credit Hours.
Theory and applications 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++, VB, Java, or approval of Department Chair.

C SK 380. Operating Systems. 3 Semester Credit Hours.
Introduction to the design and development of operating systems. Analysis of current system software technology, including process management, memory organization, security, and file systems. Prerequisite(s): COSC 2436. Co-requisite(s): C SK 343.

C SK 389. Intro to Software Engineering. 3 Semester Credit Hours.
Object oriented software development process, requirements analysis, software design concepts and methodologies, object oriented programming, and debugging. Prerequisite(s): COSC 2436, ITSE 2431.

C SK 401. Database Theory and Practices. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered. Credit for both CISK 401 and C SK 401 will not be awarded.

C SK 440. Analysis of Algorithms. 3 Semester Credit Hours.
Introduces the modern study of computer algorithms with an emphasis on how to select the best algorithm for a task considering the specific computing environment. Students extensively study searching and sorting algorithms for their importance in computing. Other topics include: efficiency, readability, maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): C SK 351.

C SK 441. IT Security and Risk Management. 3 Semester Credit Hours.
Survey of topics in the realm of information assurance and security. This course introduces the fundamental principles and concepts of information security and common body knowledge of information security. Topics include access control, telecommunication and network security, information security governance and risk management, software development security, physical security, cryptography, security architecture and design, operations security, business continuity and disaster recovery planning, and legal and ethical issues in information security. Various technologies pertaining to information security are introduced.

C SK 478. Computer Networks. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Application exercises include the installation and configuration of a network operating system, the creation of required user interfaces, establishing network security, and establishing print services for a network. A modern network operating system is used for extensive hands-on computer exercises to practice and demonstrate network skills. Prerequisite(s): CISK 348 OR (COSC 2436 and ITSE 1431 and MATH 2414).

CISK 330. C++ Programming. 3 Semester Credit Hours.
An accelerated study of structured C++ programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 332. Java Programming. 3 Semester Credit Hours.
An in-depth study of applications development using Java. Covers identifiers and reserved words, objects and primitive data, program statements, arrays and vectors, exceptions and I/O streams, graphical user interfaces, and numerous additional JAVA topics. Students analyze and program several problems. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 343. C# for Windows and Web-Prog. 3 Semester Credit Hours.
Advanced programming using the C# programming language to create Windows applications in an Internet and intra-network environment. Explores object-oriented design, client-server interaction, event-driven programming, graphical user interfaces, and distributed applications.

ENGG 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

MTHK 360. Numerical Analysis I. 3 Semester Credit Hours.
An introduction to numerical analysis. Topics are be 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 C SK.

MTHK 332. 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, isomorphism, inverse linear transformations, matrix representations of linear transformations, similarity, direct sums, and canonical forms. Prerequisite(s): MATH 2414.
For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Management and Marketing

- B.A.A.S. Business Management (p. 138)
- B.B.A. Human Resource Management (p. 142)
- B.B.A. Management (p. 146)
- B.B.A. Marketing (p. 149)
B.A.A.S. Business Management

A&M-Central Texas offers degree programs that are interdisciplinary in nature. The Bachelor of Applied Arts and Sciences (BAAS) allows the student to apply vocational or technical training to his/her degree program. Students in this degree program must meet all A&M-Central Texas requirements that are established as conditions for baccalaureate degrees. These include, but are not restricted to, general education requirements, residency, and upper-level hour requirements. Students in this degree program may not get a minor in any support area required for the degree. Degree plans must be reviewed by the Interdisciplinary Degree Program (IDP) Committee. Students should understand that work experience credit only applies to this interdisciplinary degree. To be eligible for consideration for this degree, a student must have been enrolled in at least 6 hours at A&M-Central Texas.

The Bachelor of Applied Arts and Sciences (BAAS) is designed for the student with training in a technical area. This degree utilizes technical or vocational education received at technical schools, junior colleges, military schools, etc. A student must have completed at least 12 semester credit hours (or equivalent) in technical training, or 12 hours of military training, or a combination of technical training and military training that equals 12 hours to be eligible for consideration. With appropriate documentation, the technical training may be supplemented with a maximum of 18 semester credit hours for work experience. Work experience should be as a supervising manager (e.g. supervised at least one employee). A student must have up to 30 semester credit hours (or equivalent) in the combination of technical training and work experience to be eligible for consideration. In all cases, the technical training, military training work experience (if any), and proposed degree area must be related to business management or entrepreneurship.

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 Science 6
Humanities-040
Select three hours of Humanities 3
Visual and Performing Arts-050
Select three hours of Visual and Performing Arts ² 3
U.S. History-060
HIST 1301 United States History I 3
HIST 1302 United States History II 3
Government-070
GOVT 2305 American Government I 3
GOVT 2306 American Government II 3
Social and Behavioral Sciences-080
ECON 2301 Principles of Macroeconomics 3
University Option-090
ECON 2302 Principles of Microeconomics 3
or PSYC 2301 General Psychology
Select one of the following
SPCH 1311 Fundamentals of Speech 3

Occupational Specialization

Approved Technical/Vocational or Military Training, or Work Experience ³ 30

Major Course Requirements

ACCT 2301 Prin of Accounting I-Financial 3
ACCT 2302 Prin of Actcing II-Managerial 3
G BK 301 Business Communications and Research 3
G BK 311 Business Statistics 3
G BK 332 Legal Environment of Business 3
G BK 344 Introduction to the Global Business Environment 3
G BK 401 Business Ethics 3
MGTK 301 Principles of Management 3
MGTK 302 Personnel/HRM 3
FINK 301 Prin of Fin Mgmt 3
MKTK 301 Marketing 3
MGTK 450 Management Information Systems 3
G BK 459 Business Strategy ⁴ 3

Select One Emphasis From Below 9

Business Management Emphasis
MGTK 350 Organizational Behavior
MGTK 421 Production & Ops Management
MGTK 425 Leadership Theory and Practice

Entrepreneurship Emphasis
MGTK 310 Entrepreneurship I
MGTK 410 Entrepreneurship II

Select one of the following
MGTK 403 Wage & Salary Administration
or MGTK 404 Recruit, Select & Placement
or MGTK 405 Human Resource Development
or MKTK 311 Consumer Behavior
or MKTK 312 Promotional Strategy

Total Semester Credit Hours 120

¹ Refer to the General Education Requirements for more information.
² Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
³ May consist of technical or military and credit for work experience (supervisory)

• 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 or accepted work experience in a supervisory role.

• A maximum of 30 semester credit hours will be allowed

⁴ Should be taken in the last semester

Business & Prof Speaking

or SPCH 1315 Public Speaking

or SPCH 1321 Business & Prof Speaking

Entrepreneurship II

Selective Specialization

The occupational specialization is a maximum of 30 semester credit hours (or equivalent) directly related to the degree area. These credit hours may consist of technical/vocational or military training, academic
General Education Requirements

Communication - 010

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.

Mathematics - 020*
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 to everyday experience.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.
University Options - 090

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.

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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.

ACCT 2302. Prin of Actting II-Managerial. 3 Semester Credit Hours.

G BK 301. Business Communications and Research. 3 Semester Credit Hours.
(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a pre-requisite for most business courses.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.
Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.

G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.
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): G BK 301 or approval of Department Chair.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.

MGTK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

MGTK 459. Business Strategy. 3 Semester Credit Hours.
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MGTK 301.

A materials fee of $45 is required for needed course materials.

MGTK 350. Organizational Behavior. 3 Semester Credit Hours.
This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.
MGTK 421. Production & Ops Management. 3 Semester Credit Hours.
Topics covered include: industrial organization, scientific management,
planning and control, building locations and layouts, wage rates,
corporation relationships, and research. Prerequisite(s): MGTK 301, G BK 311.

MGTK 422. Management Science. 3 Semester Credit Hours.
Application and usage of quantitative techniques of decision-making
with an emphasis on managerial needs. Following
the process of problem definition, data gathering and analysis, process
improvement, and improvement control, students will be able to make
recommendations to improve business results. Prerequisite(s): MGTK 301 and G BK 311.

MGTK 303. Supervisory Management. 3 Semester Credit Hours.
Investigates the role, function, and responsibilities of the supervisor in
modern organizations through study of sociological and psychological
theories in human relations. The primary emphasis is on development
of supervisory skills in communications, motivation, discipline, morale,
and grievances as they arise in superior-subordinate relationships.
Prerequisite(s): MGTK 301 or approval of Department Chair.

MGTK 425. Leadership Theory and Practice. 3 Semester Credit Hours.
This course covers an advanced survey of leadership theories and issues,
with the emphasis on practical application of newer leadership models
in contemporary organizations. Students will explore facets of both
leadership and followership, along with the impact of the particular
organizational setting and situation. Students will be challenged to
explore their own leader, follower and situation analysis skills through
active reflection, analysis of case studies, simulations, and popular
business press treatment of leadership situations. Prerequisite(s): G BK 301 or 312, MGTK 301.

MGTK 310. Entrepreneurship I. 3 Semester Credit Hours.
This course concentrates on identifying and evaluating opportunities
that may become the foundation for a new business venture. Through
experiential learning opportunities, students will apply what they learned.
This course requires students to develop a new business venture using
the business model canvas. Students will learn to 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.

MGTK 410. Entrepreneurship II. 3 Semester Credit Hours.
The purpose of this course is to develop the skills required to manage
and grow a new venture past the start-up. Students will apply general
business concepts to the wide range of challenges facing entrepreneurs.
This course draws on a broad range of business disciplines including
management, marketing, finance, and accounting to develop the business
plan. As such, background knowledge in these areas, as well as good
writing skills, is strongly preferred, but not required. Prerequisite(s):
MGTK 301 or approval.

MGTK 403. Wage & Salary Administration. 3 Semester Credit Hours.
Wage and salary administration in public and private organizations;
determinants of general wage and salary levels and structures; total
compensation systems, interrelationship among employee performance,
intrinsic and extrinsic rewards, perceived equitable payments, employee
satisfaction. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 404. Recruit, Select & Placement. 3 Semester Credit Hours.
Recruitment and selection of human resources for organizations; optimal
utilization of human resources within organizations; use of tests and
other techniques in human resource management. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 405. Human Resource Development. 3 Semester Credit Hours.
Practical and theoretical approaches to training and development of
employees in an organization. Topics include organization, role and
scope, training and development functions, philosophies, strategies,
need analysis, development of program content, methods, materials and
techniques, and evaluation and control of the training and development
function. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MKTK 316. Consumer Behavior. 3 Semester Credit Hours.
Acquaints students with individual and group behavior of people
performing in consumer role. Considers such topics as buying
motives, social class, and research techniques in consumer behavior.
Prerequisite(s): MKTK 301 and G BK 301.

MKTK 318. Promotional Strategy. 3 Semester Credit Hours.
The study of a controlled, integrated program of promotional variables.
Designed 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): MKTK 301 and G BK 301.

For a complete list of all courses go to the Course Information (p. 241)
page.

To check if a course is offered this Semester check the Online Schedule
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 2

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

Political Science-070
- GOVT 2305 American Government I 3
- GOVT 2306 American Government II 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:
  - SPCH 1311 Fundamentals of Speech 3
  - or SPCH 1315 Public Speaking
  - or SPCH 1321 Business & Prof Speaking

Major Course Requirements
- ACCT 2301 Prin of Accounting I-Financial 3
- ACCT 2302 Prin of Accounting II-Managerial 3
- BCIS 2302 Principles of Microeconomics 3
- FINK 301 Prin of Fin Mgmt 3
- G BK 301 Business Communications and Research 3
- G BK 311 Business Statistics 3
- G BK 332 Legal Environment of Business 3
- G BK 344 Introduction to the Global Business Environment 3
- G BK 401 Business Ethics 3
- G BK 434 Employment Law 3
- G BK 459 Business Strategy 3
- MGTK 301 Principles of Management 3
- MGTK 302 Personnel/HRM 3
- MGTK 350 Organizational Behavior 3
- MGTK 403 Wage & Salary Administration 3
- MGTK 404 Recruit, Select & Placement 3
- MGTK 405 Human Resource Development 3
- MGTK 406 Employer / Labor Relations 3
- MGTK 450 Management Information Systems 3
- MKTK 301 Marketing 3
- Select one of the following:
  - MGTK 303 Supervisory Management 3
  - or MGTK 425 Leadership Theory and Practice
  - or MGTK 402 Productive Relationships
  - or MGTK 484 Internship

Advanced Business Electives
- 300 - 400 level Business electives 6

Electives
- Any level electives 6

Total Semester Credit Hours 120

1 Refer to the General Education Requirements for more information.
2 Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.
3 Nutrition cannot be used to fill this requirement.
4 Must meet Common Core requirements at other Texas Public University / College.

General Education Requirements

Communication - 010
- 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.

Mathematics - 020*
- 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 to everyday experience.

Natural Science - 030*
- Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
- 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.

Visual and Performing Arts - 050*
- 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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.

ACCT 2302. Prin of Accting II-Managerial. 3 Semester Credit Hours.

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.

BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.

G BK 301. Business Communications and Research. 3 Semester Credit Hours.
(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a prerequisite for most business courses.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.
MGTK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.

Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.

MGTK 401. Business Ethics. 3 Semester Credit Hours.

This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

MGTK 434. Employment Law. 3 Semester Credit Hours.

A study of the laws relating to employment. Includes defining the employer-employee relationship; 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): G BK 332 or MGTK 302.

MGTK 459. Business Strategy. 3 Semester Credit Hours.

(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

MGTK 301. Principles of Management. 3 Semester Credit Hours.

A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.

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): MGTK 301 or approval of Department Chair.

MGTK 350. Organizational Behavior. 3 Semester Credit Hours.

This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.

MGTK 403. Wage & Salary Administration. 3 Semester Credit Hours.

Wage and salary administration in public and private organizations; determinants of general wage and salary levels and structures; total compensation systems, interrelationship among employee performance, intrinsic and extrinsic rewards, perceived equitable payments, employee satisfaction. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 404. Recruit, Select & Placement. 3 Semester Credit Hours.

Recruitment and selection of human resources for organizations; optimal utilization of human resources within organizations; use of tests and other techniques in human resource management. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 405. Human Resource Development. 3 Semester Credit Hours.

Practical and theoretical approaches to training and development of employees in an organization. Topics include organization, role and scope, training and development functions, philosophies, strategies, need analysis, development of program content, methods, materials and techniques, and evaluation and control of the training and development function. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 406. Employer/Labor Relations. 3 Semester Credit Hours.

Collective bargaining, labor market fundamentals, unionism, and related issues of labor economics. Prerequisite(s): MGTK 301.

MGTK 450. Management Information Systems. 3 Semester Credit Hours.

(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

MKTK 301. Marketing. 3 Semester Credit Hours.

Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

MGTK 303. Supervisory Management. 3 Semester Credit Hours.

Investigates the role, function, and responsibilities of the supervisor in modern organizations through study of sociological and psychological theories in human relations. The primary emphasis is on development of supervisory skills in communications, motivation, discipline, morale, and grievances as they arise in superior-subordinate relationships. Prerequisite(s): MGTK 301 or approval of Department Chair.

MGTK 425. Leadership Theory and Practice. 3 Semester Credit Hours.

This course covers an advanced survey of leadership theories and issues, with the emphasis on practical application of newer leadership models in contemporary organizations. Students will explore facets of both leadership and followership, along with the impact of the particular organizational setting and situation. Students will be challenged to explore their own leader, follower and situation analysis skills through active reflection, analysis of case studies, simulations, and popular business press treatment of leadership situations. Prerequisite(s): G BK 301 or 312, MGTK 301.

MGTK 402. Productive Relationships. 3 Semester Credit Hours.

A practical and theoretical course dealing with behavior. Emphasis will be on identifying and classifying behavior in order to better understand behavior and to develop strategies for effectively managing interpersonal relationships. Exercises and role playing are used to illustrate major points. Materials fee required. Prerequisite(s): MGTK 301 and G BK 312 or G BK 301.

MGTK 484. Internship. 3 Semester Credit Hours.

Preapproved and supervised work experience in a management related position with a public or private business organization. May be repeated for a total of 6 hours credit. Prerequisite(s): MGTK 301 and approval of Department Chair. Field experiences fee $75.
For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu/9100/prod/bwckschd.p_disp_dyn_sched).
B.B.A. Management

General Education Requirements

Communication-010
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.

Mathematics - 020*
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 to everyday experience.

Natural Science - 030*
Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

Humanities - 040*
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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.
U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

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.

Univrsity Options - 090

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.

SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.

ACCT 2302. Prin of Accting II-Managerial. 3 Semester Credit Hours.

BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.

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.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.

G BK 301. Business Communications and Research. 3 Semester Credit Hours.
(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a pre-requisite for most business courses.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.

G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.
Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.
G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

G BK 459. Business Strategy. 3 Semester Credit Hours. (WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.
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): MGTK 301 or approval of Department Chair.

MGTK 350. Organizational Behavior. 3 Semester Credit Hours.
This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.

MGTK 421. Production & Ops Management. 3 Semester Credit Hours.
Topics covered include: industrial organization, scientific management, planning and control, building locations and layouts, wage rates, corporation relationships, and research. Prerequisite(s): MGTK 301, G BK 311.

MGTK 425. Leadership Theory and Practice. 3 Semester Credit Hours.
This course covers an advanced survey of leadership theories and issues, with the emphasis on practical application of newer leadership models in contemporary organizations. Students will explore facets of both leadership and followership, along with the impact of the particular organizational setting and situation. Students will be challenged to explore their own leader, follower and situation analysis skills through active reflection, analysis of case studies, simulations, and popular business press treatment of leadership situations. Prerequisite(s): G BK 301 or 312, MGTK 301.

MGTK 450. Management Information Systems. 3 Semester Credit Hours. (WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

MKTK 301. Marketing. 3 Semester Credit Hours.
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn sched).
B.B.A. Marketing

**General Education Requirements** ¹

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Communication-010</td>
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<tr>
<td>ENGL 1301  Composition I</td>
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<tr>
<td>ENGL 1302  Composition II</td>
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<td>Political Science-070</td>
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<tr>
<td>GOVT 2305  American Government I</td>
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<td>GOVT 2306  American Government II</td>
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<td>Social and Behavioral Sciences-080</td>
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<td>PSYC 2301  General Psychology</td>
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<tr>
<td>University Option-Wellness-090</td>
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<td>ECON 2301  Principles of Macroeconomics</td>
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<td>SPCH 1311  Fundamentals of Speech</td>
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<tr>
<td>or SPCH 1315  Public Speaking</td>
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<tr>
<td>or SPCH 1321  Business &amp; Prof Speaking</td>
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**Major Course Requirements**

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<th>Course</th>
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<tr>
<td>ACCT 2301  Prin of Accounting I-Financial</td>
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<td>ACCT 2302  Prin of Accounting II-Managerial</td>
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<tr>
<td>ECON 2302  Principles of Microeconomics</td>
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<td>BCIS 1301  Microcomputer Applications (or higher with spreadsheet component)</td>
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<tr>
<td>FINK 301  Prin of Fin Mgmt</td>
<td>3</td>
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<tr>
<td>G BK 301  Business Communications and Research</td>
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</tr>
<tr>
<td>G BK 311  Business Statistics</td>
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<td>G BK 332  Legal Environment of Business</td>
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<td>G BK 344  Introduction to the Global Business Environment</td>
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<td>G BK 401  Business Ethics</td>
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<td>G BK 459  Business Strategy</td>
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<td>MTK 301  Principles of Management</td>
<td>3</td>
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<td>MTK 302  Personnel/HRM</td>
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<td>MTK 350  Organizational Behavior</td>
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<td>MTK 450  Management Information Systems</td>
<td></td>
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<td>MTK 301  Marketing</td>
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<tr>
<td>MTK 316  Consumer Behavior</td>
<td>3</td>
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<tr>
<td>MTK 318  Promotional Strategy</td>
<td>3</td>
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<tr>
<td>MTK 402  Services Marketing</td>
<td>3</td>
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<td>MTK 415  Marketing Research</td>
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<td>MTK 416  Marketing Management</td>
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**Advanced Marketing Electives**

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<tr>
<td>Advanced Business Electives</td>
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<tr>
<td>300 - 400 level business electives</td>
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<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>Any level electives</td>
<td>6</td>
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</tbody>
</table>

*Total Semester Credit Hours 120*

**General Education Requirements**

**Communication - 010**

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.

**Mathematics - 020**

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 to everyday experience.

**Natural Science - 030**

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

**Humanities - 040**

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.

**Visual and Performing Arts - 050**

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 enable critical, creative, and innovative communication about works of art.
**U.S. History - 060**

**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 period. 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.

**Political Science - 070**

**GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**

**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.

**University Options - 090**

**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.

**SPCH 1311. Fundamentals of Speech. 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.

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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.

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**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.**

**BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.**

**FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.**

**An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.**

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**(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a pre-requisite for most business courses.**

**G BK 311. Business Statistics. 3 Semester Credit Hours.**

**Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.**

**G BK 332. Legal Environment of Business. 3 Semester Credit Hours.**

**The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.**

**G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.**

**Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.**
G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

G BK 459. Business Strategy. 3 Semester Credit Hours.
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.
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): MGTK 301 or approval of Department Chair.

MGTK 350. Organizational Behavior. 3 Semester Credit Hours.
This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.

MGTK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

MKTK 301. Marketing. 3 Semester Credit Hours.
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

MKTK 316. Consumer Behavior. 3 Semester Credit Hours.
Acquaints students with individual and group behavior of people performing in consumer role. Considers such topics as buying motives, social class, and research techniques in consumer behavior. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 318. Promotional Strategy. 3 Semester Credit Hours.
The study of a controlled, integrated program of promotional variables. Designed 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): MKTK 301 and G BK 301.

MKTK 402. Services Marketing. 3 Semester Credit Hours.
Introduce the student to the service environment. An in-depth analysis of the most successful service-oriented industries and firms within the world’s fastest-growing economic sector will be presented. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 415. Marketing Research. 3 Semester Credit Hours.
Familiarizes students with the accurate, objective, and systematic gathering, recording, and analyzing of data about problems relating to marketing goods and services. Prerequisite(s): MKTK 301 and G BK 301 and G BK 311.

MKTK 416. Marketing Management. 3 Semester Credit Hours.
(WI) The application of 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 classification and 9 hours of MKTK.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
College of Education

Mission Statement

The mission of the College of Education is to provide students in professional education and other human services with a quality education through academic, cultural, and leadership experiences, and to provide leadership through scholarship and service to the extended community and profession. Programs in College of Education prepare students for challenging, gratifying, and socially significant careers in education, counseling, and psychology. In addition to its teaching function, the program has a strong service commitment to public schools and human service agencies.

Programs

The College of Education offers baccalaureate programs leading to Bachelor of Science degrees in Curriculum and Instruction and Psychology. The College of Education offers Master’s degrees in Curriculum & Instruction (MEd); Educational Leadership (MEd); Counseling (MEd); Clinical Mental Health Counseling (MS); Marriage and Family Therapy (MS); Educational Psychology (MS); certification programs for teacher, principal, superintendent, reading specialist, and education diagnostician; and Specialist in School Psychology (SSP).

The College of Education’s academic programs are organized into the following areas:

Department of Professional Curriculum and Instruction
- Curriculum & Instruction
- Educational Leadership

Department of Psychology and Counseling
- Psychology and Counseling

Degree programs offered include the following:
- Bachelor of Science in Interdisciplinary Studies with concentrations in:
  - All-Level Special Education w/ESL
  - EC – 6 Generalist w/ESL
  - EC – 6 Generalist Music Vocal
  - EC – 6 Generalist Music Instrumental
  - 4-8 English Language Arts/Reading/Social Studies with ESL
  - 4-8 Mathematics with ESL
- Bachelor of Science in Psychology
- Master of Science (MS) with majors in:
  - Educational Psychology (Experimental Psychology)
  - Clinical Mental Health Counseling
  - Marriage and Family Therapy
- Master of Education (MEd) degree with majors in:
  - Curriculum & Instruction
  - Counseling (School Counselor)
  - Educational Leadership
- Specialist in School Psychology (SSP)

Several teaching supplemental and professional certificates are also offered in conjunction with different academic departments. Degrees which lead to certification of licensure may have requirements beyond the coursework listed in this catalog. Students must meet with a program advisor prior to initial registration, and are strongly urged to continue meeting regularly with their advisor thereafter.

Counseling Services
- Counseling Center
- Community Counseling and Family Therapy Center

The College of Education is home to the University’s Counseling Services. Counseling Services consists of The Community Counseling and Family Therapy Center (a graduate Counseling and Psychology practicum clinic offering personal counseling to the area community) and the Counseling Center (offering personal counseling and education to students and employees as well as consultation and training to staff).
Department of Curriculum and Instruction

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. A&M-Central Texas’s Title II Institutional Report for 2011-2012 can be accessed at https://www.tamuct.edu/departments/educatorpreparationservices/

Admission to the Teacher Education Program

http://www.tamuct.edu/departments/curriculum/applications.php

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 EDUK 320 Prof Dev I-Understand Learners. 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 EDUK 320 Prof Dev I-Understand Learners.
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 hrs.
   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 PSYK 303 Educational Psychology or PSYC 2308 Child Psychology or H SK 300 Child Development
      • MATH 1314 College Algebra
   c. Current enrollment in:
      • Professional Development I (EDUK 320 Prof Dev I-Understand Learners)
   d. Completion of:
      • Educational Psychology (PSYK 303 Educational Psychology or PSYC 2308 Child Psychology or H SK 300 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/departments/curriculum/applications.php) (https://www.tamuct.edu/departments/curriculum/applications.php).

1 Appeals of any admissions requirements must be made in writing to the Admissions Officer in the Educator Preparation Services Office. Appeals are reviewed by the EPC at the next regular meeting.

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
Interdisciplinary Studies and Elementary Certification

School district or private school obtains or has knowledge that an school must report to the State Board for Educator Certification if the school district or private school may refuse to provide a placement for field experience held by any law enforcement or criminal justice agency. A school district or private school may access any criminal history information pertaining to you and 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 EDUK 320 Prof Dev I-Understand Learners. Application deadline dates are 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 prerequisite to taking any professional development courses beyond EDUK 320 Prof Dev I-Understand Learners.

2. The following criteria must be met for admission to the Teacher Education Program as an Interdisciplinary Studies major:
   a. Minimum 2.75 grade point average (GPA) overall or over the last 60 hrs.
   b. No grade lower than "C" in the following:
      • Professional education coursework
      • Reading
      • Emphasis/Supplemental coursework
      • 12 hours of university required English
      • Coursework in PSYK 303 Educational Psychology or PSYC 2308 Child Psychology or H SK 300 Child Development
   c. Completion of the following:
      • Educational Psychology (PSYK 303 Educational Psychology or PSYC 2308 Child Psychology or H SK 300 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 TASPA/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 provided prompts to respond to in writing. Candidates are also allowed to provide, in writing, any explanations or additional thoughts that might have occurred 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 (EPAC) 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 Educator Preparation Council 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 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 Education Program;
2. A minimum grade point average of 2.75 on all course work 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)

- Completion of EDUK 320 Prof Dev I-Understand Learners, EDUK 330 Prof Dev II: Effective Instr, EDUK 404 Early Childhood Environments, and ESPK 361 with minimum GPA of 2.75 and no grade lower than “C”;
- Completion of at least 21 hours of Generalist course work with a minimum GPA of 2.75 and no grade lower than a “C”;
- Completion of RDGK 311 Rdg I-Rdg Acquisition Developm, RDGK 351 Content Area Reading, RDGK 384 Rdg II-Assess Instr Dev Reader, RDGK 409 Reading Across Curr, and RDGK 410 Impl Classroom Reading Inst 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)

EDUK 320 Prof Dev I-Understand Learners, EDUK 330 Prof Dev II: Effective Instr, and EDUK 404 Early Childhood Environments with minimum GPA of 2.75 and no grade lower than a “C”;

1. Completion of at least 15 hours of Generalist course work with a minimum GPA of 2.75 and no grade lower than a “C”;
2. RDGK 311 Rdg I-Rdg Acquisition Developm, RDGK 351 Content Area Reading, RDGK 384 Rdg II-Assess Instr Dev Reader, RDGK 409 Reading Across Curr, and RDGK 410 Impl Classroom Reading Inst with a minimum GPA of 2.75 and no grade lower than a “C”;
3. Completion of 18 hours of required Special Education course work 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 EDUK 320 Prof Dev I-Understand Learners, EDUK 330 Prof Dev II: Effective Instr, and EDUK 430 Pro 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 course work with a minimum GPA of 2.6 and no grade lower than a “C”; or completion of at least 42 hours in composite emphasis course work with a minimum GPA of 2.75 and no grade lower than a “C”;

Secondary All-Level

1. Senior classification and prior admission to the Teacher Education Program;
2. Completion of EDUK 320 Prof Dev I-Understand Learners, EDUK 330 Prof Dev II: Effective Instr, EDUK 430 Pro Development III, PSYC 2308 Child Psychology or PSYK 303 Educational Psychology or H SK 300 Child Development, and RDGK 351 Content Area Reading with a minimum GPA of 2.75 and no grade lower than a C;
3. No grade lower than a C and a minimum grade point average of 2.75 in the teaching field(s) or supplemental course work;
4. Completion of at least 75% of the hours in each teaching field, or supplemental course work (Specific information may be obtained in the Educator Preparation Services Office);
5. A GPA of 2.75 on all course work 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.

1 It is recommended that students are within 12 hours of completing certification and degree requirements, excluding EDUK 490 Clinical Teaching and EDUK 435 Issues In Prof Development.

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 Conferral;
7. Successful in passing 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.

- Testing begins the semester before clinical teaching.
- Departmental approval must be granted in order for a student to be cleared to register.
- 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.
- Students must continue to retake a failed test at each subsequent test administration until they are successful or the limit has been reached.

Transfer Students

A&M-Central Texas welcomes students who transfer credits from other universities or neighboring community colleges. Persons seeking elementary certification work toward the Bachelor of Science in Interdisciplinary Studies. 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 are advised 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 course work on certification plans that is more than seven years old. Because of changing certification requirements, it is possible that previous course work 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 teacher 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 annual appraisal, the University will provide additional professional development aimed at remedying 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 in 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.

Elementary Education

The Curriculum and Instruction program offers the Bachelor of Science in Interdisciplinary Studies as the degree leading to teacher certification at the elementary level of Early Childhood through Grade 6, at the middle school level of Grades 4 through 8 and All Level Special Education. Through this degree, students obtain a broad-based content preparation with a strong emphasis on language arts and reading. At the middle school level, certification areas include Mathematics and English Language Arts/Reading/Social Studies English as a Second Language (ESL) certification is included in the BS Interdisciplinary Studies degree with EC-6, All Level Special Education and Middle school certification.

Prior to admission to the Teacher Education Program (TEP), students must pass all parts of the TASP/THEA test or other testing requirements and determined by the A&M-Central Texas Educator Preparation Council (EPC) and the Strategic Partners Education Advisory Committee (SPEAC). Information about the Interdisciplinary Studies Program can also be found in the Handbook for Teacher Certification (https://www.tamuct.edu/departments/curriculum/applications.php).

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 EDUK 320 Prof Dev I - Understand Learners. Prior to enrolling in any teacher education courses, students must complete a minimum of 60 hours of coursework excluding developmental courses.

- B.S. Interdisciplinary Studies All-Level Special Education with EC-6 Generalist Certification (p. 158)
- B.S. Interdisciplinary Studies EC-6 Generalist/ESL (p. 162)
- B.S. Interdisciplinary Studies Middle School Language Arts and Social Studies Certification (p. 174)
- B.S. Interdisciplinary Studies with Middle School Math Certification (p. 178)
- B.S. Interdisciplinary Studies EC-6 Music Vocal (p. 170)
- B.S. Interdisciplinary Studies EC-6 Music Instrumental (p. 166)
### B.S. Interdisciplinary Studies All-Level Special Education with EC-6 Generalist Certification

#### General Education Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication</strong></td>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 1305</td>
<td>English - 010</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td><strong>Natural Sciences</strong></td>
<td>PHYS 1405</td>
<td>Elementary Physics I</td>
<td>4</td>
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<td></td>
<td>PHYS 1415</td>
<td>Physical Science I (Lecture + Lab)</td>
<td>4</td>
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<tr>
<td></td>
<td>MUSI 1310</td>
<td>American Music</td>
<td>3</td>
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<tr>
<td></td>
<td>HUMA 1315</td>
<td>Fine Arts Appreciation</td>
<td>3</td>
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<tr>
<td></td>
<td>DRAM 1310</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td><strong>U.S. History</strong></td>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
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<tr>
<td></td>
<td>HIST 1302</td>
<td>United States History II</td>
<td>3</td>
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<tr>
<td></td>
<td>GOVT 2305</td>
<td>American Government I</td>
<td>3</td>
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<td></td>
<td>GOVT 2306</td>
<td>American Government II</td>
<td>3</td>
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<tr>
<td></td>
<td>POL 2303</td>
<td>Political Science-070</td>
<td>3</td>
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<tr>
<td></td>
<td>GEOG 1303</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td><strong>University Option</strong></td>
<td>ENGL 320</td>
<td>Advanced Grammars (or any Sophomore level English)</td>
<td>3</td>
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<tr>
<td></td>
<td>ENGL 330</td>
<td>Advanced Composition</td>
<td>3</td>
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</tbody>
</table>

**Required Courses in the Field of Study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSYK 303</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>MTHK 303</td>
<td>Concepts of Elem Math I</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 305</td>
<td>Concepts of Elem Math II</td>
<td>3</td>
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<tr>
<td>HLTK 351</td>
<td>Prin of Hlth &amp; Fit for Childre</td>
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<tr>
<td>EDUK 340</td>
<td>Mathematics Instruction for Classroom Teachers</td>
<td>3</td>
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<tr>
<td>EDUK 350</td>
<td>Science Instruction for Classroom Teachers</td>
<td>3</td>
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<tr>
<td>EDUK 420</td>
<td>Language Arts, Fine Arts, and Social Studies Instruction for Teachers</td>
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<tr>
<td>EDUK 440</td>
<td>Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 361</td>
<td>Survey Ex Lnr</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 462</td>
<td>Spec Rules and Reg for Teacher</td>
<td>3</td>
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<tr>
<td>ESPK 463</td>
<td>Teach Learners With Learn Dis</td>
<td>3</td>
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<tr>
<td>ESPK 464</td>
<td>Tch Learners With Develop Dis</td>
<td>3</td>
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<tr>
<td>ESPK 465</td>
<td>Beh Mgmt For Exceptional Learn</td>
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</table>

#### Reading and English as a Second Language Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUK 325</td>
<td>Fundamentals of Bilingual and English as a Second Language Education</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 311</td>
<td>Rdg I-Rdg Acquisition Developm</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 351</td>
<td>Content Area Reading</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 384</td>
<td>Rdg II-Assess Instr Dev Reader</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 409</td>
<td>Reading Across Curr</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 410</td>
<td>Impl Classroom Reading Inst</td>
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</table>

#### Professional Development Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDUK 320</td>
<td>Prof Dev I-Understand Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 330</td>
<td>Prof Dev II: Effective Instr</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 404</td>
<td>Early Childhood Environments</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 435</td>
<td>Issues In Prof Development</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 490</td>
<td>Clinical Teaching</td>
<td>6</td>
</tr>
</tbody>
</table>

#### Total Semester Credit Hours

120

1 Refer to the General Education Requirements for more information.

2 Note: C or better required.

5 Any Biology elective; excluding nutrition.

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### General Education Requirements

#### Communication - 010

**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.

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### Mathematics - 020

**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.

**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.
Humanities - 040*
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.

Visual and Performing Arts - 050
MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
Any Biology with a lab.

* Courses that meet this requirement at other Texas Public Colleges and Universities may also meet this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements
PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

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. Prerequisite(s): 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.

MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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 1314 and Junior standing.

HLTK 351. Prin of Hlth & Fit for Childre. 3 Semester Credit Hours.
A survey of the essential knowledge and skills of health and physical education as they relate to children ages 6-14. Included will be skills related to personal health and safety, physical fitness, motor development, games and sports, gymnastics, and rhythmic activities. Prerequisite(s): Junior classification or approval of Department Chair.
EDUK 340. Mathematics Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 350. Science Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 420. Language Arts, Fine Arts, and 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 English Language Arts, Social Studies, and Fine Arts 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. F, SP.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instructional strategies for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching: successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

ESPK 462. Spec Rules and Reg for Teacher. 3 Semester Credit Hours.
Laws and litigation that affect the education of students with disabilities are examined. Includes 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): ESPK 361.

ESPK 463. Teach Learners With Learn Dis. 3 Semester Credit Hours.
Learning disabilities are examined with emphasis on history, definition, causation and characteristics. Content includes teaching methods for language, academic, and social skills as well as effective inclusive practices. Strategies for successful collaboration with parents, guardians, paraprofessionals and general education teachers are studied. Field experience required. Prerequisite(s): ESPK 361.

ESPK 464. Tch Learners With Develop Dis. 3 Semester Credit Hours.
Etiology and characteristics associated with deficits in development are studied. Effects of developmental disabilities in the areas of language acquisition and physical, social and emotional functioning are examined. Course content includes 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): ESPK 361.

ESPK 465. Beh Mgmt For Exceptional Learm. 3 Semester Credit Hours.
Information is provided on managing a classroom that includes students with disabilities. Topics include creating 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. Information will also be provided on the typical characteristics associated with emotional disabilities and identification procedures utilized. Field experience required. Prerequisite(s): ESPK 361.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGSL and concurrent enrollment in EDUK 320.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy reader, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.
RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330,
and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or
approval of Department Chair.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools.
Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum,
learner-centered proficiencies and best practices. Topics include:
the lesson cycle, models of learning, instruction, uses of technology,
assessment, classroom management, micro-teaching and field
experience. A classroom management lab and documentation of field
experiences are required. Prerequisite(s): EDUK 320, admission to the
Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical
environment and use of centers for diverse groups of early elementary
students. Current issues related to early childhood education will be
examined. Students will be expected to demonstrate developmentally
appropriate effective teaching practices in field-based setting.
Prerequisite(s): Admission to the Teacher Education Program, Application
for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350;
Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field
experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate
concepts encountered during clinical teaching. Focuses 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
Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools
at the appropriate level. Students are required to demonstrate proficiency
in the application of effective teaching practices and classroom
management strategies. Field experience fee $75 Prerequisite(s):
Admission to Clinical Teaching and successful completion of designated
content are of the Texas Examination of Educator Standards (TExES):
Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of
Curriculum & Instruction Program Coordinator. * 7-12 math students may
take MTHK 315 ion place of EDUK 440.

ENGK 320. 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.
# B.S. Interdisciplinary Studies EC-6 Generalist/ESL

## General Education Requirements

### Communication - 010

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<tr>
<th>Course</th>
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<th>Credit Hours</th>
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<tr>
<td>ENGL 1301</td>
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### Mathematics - 020

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### Natural Sciences - 030

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<tr>
<td>or PHYS 1415</td>
<td>Physical Science I (Lecture + Lab)</td>
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### U.S. History - 060

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<td>HIST 1302</td>
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### Political Science - 070

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<tr>
<td>GOVT 2306</td>
<td>American Government II</td>
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### Social and Behavioral Sciences - 080

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<td>GEOG 1303</td>
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### University Option - 090

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### Required courses in the Field of Study

#### Communication - 010

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<tr>
<td>or ECON 2302</td>
<td>Principles of Microeconomics</td>
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#### Mathematics - 020

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<th>Course</th>
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### Professional Development

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<td>EDUK 330</td>
<td>Prof Dev II: Effective Instr</td>
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<td>EDUK 404</td>
<td>Early Childhood Environments</td>
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<td>EDUK 435</td>
<td>Issues In Prof Development</td>
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### Additional Courses for Degree / Certification

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<td>or ENGK 330</td>
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### Total Semester Credit Hours

120

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1. Refer to the General Education Requirements for more information.
2. NOTE: C or better required.
3. Note: B or better required.
4. Any Biology elective; excluding nutrition.

## General Education Requirements

### Communication - 010

**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.

### Mathematics - 020

**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.

### Natural Science - 030

**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.

Humanities - 040*
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.

Visual and Performing Arts - 050
MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.
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.
DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
Any Biology with a lab.

Course Requirements
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.
TECA 1303. Families, Schools & Communicat. 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. 241 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.
PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.
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.
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.
MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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): MTHK 303.

MTHK 405. 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 be integrated into the curriculum where appropriate. Prerequisite(s): MTHK 305 for EC-6 and 4-8 Mathematics majors; MATH 2413 for all other students.

HLTK 351. Prin of Hlth & Fit for Childre. 3 Semester Credit Hours.
A survey of the essential knowledge and skills of health and physical education as they relate to children ages 6-14. Included will be skills related to personal health and safety, physical fitness, motor development, games and sports, gymnastics, and rhythmic activities. Prerequisite(s): Junior classification or approval of Department Chair.

EDUK 340. Mathematics Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 350. Science Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUK 320.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children's literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or approval of Department Chair.
EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content are of the Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

EDUC 1301. Intro to 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.

ENGK 320. 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.

ENGK 330. 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 esssayistic space through a process of peer- and instructor-reviewed writing workshops. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL or prior approval of department chair.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
# B.S. Interdisciplinary Studies EC-6 Music Instrumental

## General Education Requirements

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<tr>
<th>Requirement</th>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>ENGL 1301 Composition I</td>
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<td>ENGL 1302 Composition II</td>
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<tr>
<td>Mathematics - 020</td>
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<td>MATH 1314 College Algebra</td>
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<tr>
<td>Natural Science - 030</td>
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<tr>
<td>PHYS 1405 Elementary Physics I</td>
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<tr>
<td>or PHYS 1415 Physical Science I (Lecture + Lab)</td>
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<tr>
<td>Humanities - 040</td>
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<tr>
<td>Sophomore English</td>
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<tr>
<td>Visual and Performing Arts - 050</td>
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<tr>
<td>Choose one of the following</td>
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<tr>
<td>MUSI 1310 American Music</td>
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<tr>
<td>or HUMA 1315 Fine Arts Appreciation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or DRAM 1310 Introduction to Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. History - 060</td>
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<td></td>
</tr>
<tr>
<td>HIST 1301 United States History I</td>
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<tr>
<td>HIST 1302 United States History II</td>
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<td>Political Science - 070</td>
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<td>GOVT 2305 American Government I</td>
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<td>GOVT 2306 American Government II</td>
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<td>Social and Behavioral Science - 080</td>
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<tr>
<td>PSYK 303 Educational Psychology</td>
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<tr>
<td>or TECA 1354 Child Growth &amp; Development</td>
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<td></td>
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<td>or PSYC 2308 Child Psychology</td>
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<td>University Option - 090</td>
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<tr>
<td>Any Lab Science</td>
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## Major Area

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENGK 320 Advanced Grammars</td>
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</tr>
<tr>
<td>or ENGK 330 Advanced Composition</td>
<td></td>
</tr>
<tr>
<td>MTHK 303 Concepts of Elem Math I</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 305 Concepts of Elem Math II</td>
<td>3</td>
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<tr>
<td>RDGK 311 Rdg I-Rdg Acquisition Devlopment</td>
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</tr>
<tr>
<td>RDGK 384 Rdg II-Assess Instr Dev Reader</td>
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<tr>
<td>RDGK 409 Reading Across Curr</td>
<td>3</td>
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<tr>
<td>RDGK 410 Impl Classroom Reading Inst</td>
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<td>RDGK 351 Content Area Reading</td>
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<tr>
<td>ESPK 361 Survey Ex Lmr</td>
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</tr>
<tr>
<td>EDUK 325 Fundamentals of Bilingual and English as a Second Language Education</td>
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## Professional Development

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<th>Course</th>
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<tr>
<td>EDUK 320 Prof Dev I-Understand Learners</td>
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</tr>
<tr>
<td>EDUK 330 Prof Dev II: Effective Instr</td>
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</tr>
<tr>
<td>EDUK 404 Early Childhood Environments</td>
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<td>EDUK 435 Issues In Prof Development</td>
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<td>EDUK 490 Clinical Teaching</td>
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## Content Area

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<thead>
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<th>Course</th>
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<tr>
<td>MUSI 363 Form and Analysis</td>
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<td>MUSI 337 Percussion</td>
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<td>MUSI 343 Computer Assisted Electronic Music</td>
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<tr>
<td>MUSI 364 Orchestration</td>
<td>2</td>
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<tr>
<td>MUSI 405 Beginning Conducting</td>
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</tr>
<tr>
<td>MUSI 407 Advanced Conducting</td>
<td>2</td>
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<tr>
<td>MUSI 426 Elementary Music Methods</td>
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<td>MUSI 498 Senior Recital</td>
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## Instrumental Area

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSI 335 Vocal Class (Instrumental Majors)</td>
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<tr>
<td>MUSI 333 Woodwind Class</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 334 Brass Class</td>
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</tr>
<tr>
<td>MUSI 338 String Class</td>
<td>1</td>
</tr>
<tr>
<td>MUSI 329 Intermediate and Advanced Band Repertoire</td>
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<tr>
<td>or MUSI 330 Intermediate and Advanced Orchestra Repertoire</td>
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</tr>
<tr>
<td>MUSI 427 Instrumental and Marching Methods</td>
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</tr>
<tr>
<td>or MUSI 428 Sec. Orchestra and Guitar Methods</td>
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<tr>
<td>EDUC 1301 Intro to Teaching Profession</td>
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<tr>
<td>Any Level Elective</td>
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## Total Semester Credit Hours

<table>
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<th>Credits</th>
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<tbody>
<tr>
<td>Total Semester Credit Hours</td>
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## General Education Requirements

### Communication - 010

**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.

### Mathematics - 020

**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.

### Natural Science - 030

**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.

**Humanities - 040**

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.

**Visual and Performing Arts - 050**

MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

**U.S. History - 060**

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 period. 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.

**Political Science - 070**

GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

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.

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.

**University Options - 090**

Any Lab Science.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course Requirements**

ENGK 320. 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.

ENGK 330. 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 prior approval of department chair.

MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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): MTHK 303.
RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUK 320.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or approval of Department Chair.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content are of the Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

MUSI 363. Form and 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 Piano IV for Music Majors, MUSI 2117 Advanced Sight Singing and Ear Training II, MUSI 2312 Music Theory IV.
MUSI 337. 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 343. 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 364. 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 405. 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, and left hand technique, and non-verbal communication, leadership, conducting terminology, transpositions and score reading.

MUSI 407. Advanced Conducting. 2 Semester Credit Hours.
This class is focused on advanced conducting skills.

MUSI 426. 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 498. Senior Recital. 0 Semester Credit Hours.
Senior Recital is a course in which the student prepares for and performs in their senior recital.

MUSI 335. 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 333. 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 334. 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 338. 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 329. Intermediate and 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 330. Intermediate and 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 427. Instrumental and 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 428. Sec. Orchestra and Guitar Methods. 3 Semester Credit Hours.
This course focuses on teaching and procedural methods required to produce a quality orchestra program.

EDUC 1301. Intro to 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Interdisciplinary Studies EC-6 Music Vocal

General Education Requirements

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

Mathematics-020
MATH 1314 College Algebra 3

Natural Science-030
PHYS 1405 Elementary Physics I 4
or PHYS 1415 Physical Science I (Lecture + Lab) 4
Any BIOL with Lab 4

Humanities-040
Sophomore English 3

Visual and Performing Arts-050
MUSI 1310 American Music 3
or HUMA 1315 Fine Arts Appreciation 3
or DRAM 1310 Introduction to Theatre 3

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

Political Science-070
GOVT 2305 American Government I 3
GOVT 2306 American Government II 3

Social and Behavioral Science-080
PSYK 303 Educational Psychology 3
or TECA 1354 Child Growth & Development 3
or PSYC 2308 Child Psychology 3

University Option-090
Any Lab Science 4

Major Area
ENGK 320 Advanced Grammars 3
or EN GK 330 Advanced Composition 3

MTHK 303 Concepts of Elem Math I 3
MTHK 305 Concepts of Elem Math II 3

RDGK 311 Rdg I-Rdg Acquisition Developm 3
RDGK 384 Rdg II-Assess Instr Dev Reader 3
RDGK 409 Reading Across Curr 3
RDGK 410 Impl Classroom Reading Inst 3
RDGK 351 Content Area Reading 3

ESPK 361 Survey Ex Lrrn 3
EDUK 325 Fundamentals of Bilingual and English as a Second Language Education 3

Professional Development
EDUK 320 Prof Dev I-Understand Learners 3
EDUK 330 Prof Dev II: Effective Instr 3
EDUK 404 Early Childhood Environments 3
EDUK 435 Issues In Prof Development 3
EDUK 490 Clinical Teaching 6
EDUK 440 Technology Application and Integration for Classroom Teachers 3

Content Area
MUSI 363 Form and Analysis 2
MUSI 337 Percussion 1
MUSI 343 Computer Assisted Electronic Music 3
MUSI 364 Orchestration 2
MUSI 405 Beginning Conducting 1
MUSI 407 Advanced Conducting 2
MUSI 426 Elementary Music Methods 3
MUSI 498 Senior Recital 0
MUSI 361 Diction for Singers 1

Vocal Area
MUSI 359 Choral Repertoire 2
MUSI 362 Opera Workshop 1
MUSI 412 Vocal Pedagogy 3
EDUC 1301 Intro to Teaching Profession 3
Any Level Electives 3

Total Semester Credit Hours 120

General Education Requirements

Communication - 010
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.

Mathematics - 020
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.

Natural Science - 030
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.

Humanities - 040*
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.

Visual and Performing Arts - 050

MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

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.

DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

U.S. History - 060

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 period. 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.

Political Science - 070

GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

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.

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.

University Options - 090

Any Lab Science.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

Course Requirements

ENGK 320. 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.

ENGK 330. 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 prior approval of department chair.

MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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): MTHK 303.
RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUK 320.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children's literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or approval of Department Chair.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 442. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content are of the Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

MUSI 363. Form and 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 Piano IV for Music Majors, MUSI 2117 Advanced Sight Singing and Ear Training II, MUSI 2312 Music Theory IV.
MUSI 337. 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 343. 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 364. 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 405. 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, and left hand technique, and non-verbal communication, leadership, conducting terminology, transpositions and score reading.

MUSI 407. Advanced Conducting. 2 Semester Credit Hours.  
This class is focused on advanced conducting skills.

MUSI 426. 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 498. Senior Recital. 0 Semester Credit Hours.  
Senior Recital is a course in which the student prepares for and performs in their senior recital.

MUSI 335. 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 361. 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 428. Sec. Orchestra and Guitar Methods. 3 Semester Credit Hours.  
This course focuses on teaching and procedural methods required to produce a quality orchestra program.

MUSI 359. 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 362. 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 412. 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.

EDUC 1301. Intro to 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
B.S. Interdisciplinary Studies Middle School Language Arts and Social Studies Certification

General Education Requirements

Communication - 010
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.

Mathematics - 020
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.

Choose one of the following
PSYK 303. Educational Psychology. 3
or TECA 1354. Child Growth & Development. 3
or PSYC 2308. Child Psychology. 3
RDGK 311. Rdg I-Rdg Acquisition Developm. 3
RDGK 351. Content Area Reading. 3
RDGK 384. Rdg II-Assess Instr Dev Reader. 3
RDGK 409. Reading Across Curr. 3
RDGK 410. Impl Classroom Reading Inst. 3
ESPK 361. Survey Ex Lrnr. 3
EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3
EDUK 420. Language Arts, Fine Arts, and Social Studies Instruction for Teachers. 3
EDUK 440. Technology Application and Integration for Classroom Teachers. 3

Total Semester Credit Hours. 120

1. Refer to the General Education Requirements for more information.
2. Note: C or better required.
3. Note: B or better required.
4. Any Biology elective; excluding nutrition.

Additional Courses for Degree / Certification
ENKG 330. Advanced Composition (or Sophomore English). 3

Required courses in the Field of Study

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

Choose one of the following
ECON 2301. Principles of Macroeconomics. 3
or ECON 2302. Principles of Microeconomics. 3

Choose one of the following
HIST 2311. Western Civilization I. 3
or HIST 2312. Western Civilization II. 3
HSTK 322. History of Texas. 3

Advanced Social Science Elective (History, Political Science, or Social Science) 3
ENKG 320. Advanced Grammars. 3
Advanced English Elective. 3
MTHK 303. Concepts of Elem Math I. 3
MTHK 305. Concepts of Elem Math II. 3
**Natural Science - 030**

**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.

**Humanities - 040* **

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.

**Visual and Performing Arts - 050**

**MUSI 1310. American Music. 3 Semester Credit Hours.**
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

**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.

**DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.**
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

**U.S. History - 060**

**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 period. 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 the 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.

**Political Science - 070**

**GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**

**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.

**University Options - 090**

Any biology with a lab.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course Requirements**

**ENBK 330. 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 prior approval of department chair.

**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 landform development, and human interactions with the physical environment.

**GEOG 1302. Cultural 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.

**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.
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.

HSTK 322. History of Texas. 3 Semester Credit Hours.
A survey of Texas from the Spanish colonial period to the present with special attention to the Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state.

ENKG 320. 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.

MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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): MTHK 303.

PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

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.

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.

RDGK 311. Rdg I-Rdg Acquisition Development. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner, explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUK 320.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literate learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or approval of Department Chair.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.
EDUK 420. Language Arts, Fine Arts, and 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 English Language Arts, Social Studies, and Fine Arts 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. F, SP.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching, 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
# B.S. Interdisciplinary Studies with Middle School Math Certification

## General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>Natural Sciences</td>
<td>PHYS 1405</td>
<td>Elementary Physics I</td>
<td>4</td>
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<td></td>
<td>PHYS 1415</td>
<td>Physical Science I (Lecture + Lab)</td>
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<tr>
<td>Humanities</td>
<td>MUSI 1310</td>
<td>American Music</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>DRAM 1310</td>
<td>Introduction to Theatre</td>
<td></td>
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<tr>
<td>U.S. History</td>
<td>HIST 1301</td>
<td>United States History I</td>
<td>3</td>
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<td>HIST 1302</td>
<td>United States History II</td>
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<td>Political Science</td>
<td>GOVT 2305</td>
<td>American Government I</td>
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<td>GOVT 2306</td>
<td>American Government II</td>
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<td>Social and Behavioral Science</td>
<td>PSYC 2308</td>
<td>Child Psychology</td>
<td>3</td>
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<td>University Option</td>
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<td>Any Biology with a Lab</td>
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<tr>
<td>Additional courses for Degree / Certification</td>
<td>EDUC 1301</td>
<td>Intro to Teaching Profession</td>
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<td>Required courses in the Field of Study</td>
<td>MATH 1342</td>
<td>Elementary Statistical Methods</td>
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<td>MATH 2412</td>
<td>Precalculus Math</td>
<td>3</td>
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<td>MATH 2413</td>
<td>Calculus I</td>
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<td>MTHK 303</td>
<td>Concepts of Elem Math I</td>
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<td>MTHK 305</td>
<td>Concepts of Elem Math II</td>
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<td>MTHK 402</td>
<td>College Geometry</td>
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<td></td>
<td>MTHK 404</td>
<td>Survey of Mathematical Ideas</td>
<td>3</td>
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<td>MTHK 405</td>
<td>Concepts of Elem Math III</td>
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<td>Advanced Mathematics Elective</td>
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<tr>
<td>EDMK 361</td>
<td>Survey Ex Lrn</td>
<td>3</td>
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<tr>
<td>EDUC 340</td>
<td>Mathematics Instruction for Classroom Teachers</td>
<td>3</td>
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<td>Required courses in the Field of Study</td>
<td>EDUC 440</td>
<td>Technology Application and Integration for Classroom Teachers</td>
<td>3</td>
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<tr>
<td></td>
<td>MTHK 315</td>
<td>Mathematics and Technology</td>
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</table>

1 Refer to the General Education Requirements for more information.
2 Note: C or better required.
3 Any Biology course excluding Nutrition.

## Reading and English as a Second Language Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 325</td>
<td>Fundamentals of Bilingual and English as a Second Language Education</td>
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<tr>
<td>RDGK 311</td>
<td>Rdg I-Rdg Acquisition Development</td>
<td>3</td>
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<tr>
<td>RDGK 351</td>
<td>Content Area Reading</td>
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<tr>
<td>RDGK 348</td>
<td>Rdg II-Assess Instr Dev Reader</td>
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<td>RDGK 409</td>
<td>Reading Across Curr</td>
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<tr>
<td>RDGK 410</td>
<td>Impl Classroom Reading Inst</td>
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## Professional Development

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>EDUC 320</td>
<td>Prof Dev I-Understand Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 330</td>
<td>Prof Dev II: Effective Instr</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 404</td>
<td>Early Childhood Environments</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 435</td>
<td>Issues In Prof Development</td>
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<tr>
<td>EDUC 490</td>
<td>Clinical Teaching</td>
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</table>

Total Semester Credit Hours 120

## General Education Requirements

### Communication - 010

**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.

### Mathematics - 020

**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.

### Natural Science - 030

**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.

### Humanities - 040*

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.

**Visual and Performing Arts - 050**

**MUSI 1310. American Music. 3 Semester Credit Hours.**
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

**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.

**DRAM 1310. Introduction to Theatre. 3 Semester Credit Hours.**
Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

**U.S. History - 060**

**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 period. 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.

**Political Science - 070**

**GOVT 2305. American Government I. 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. American Government II. 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.

**Social and Behavioral Sciences - 080**

**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.

**University Options - 090**

Any Biology with a lab.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856

**Course Requirements**

**EDUC 1301. Intro to 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.

**ENGL 330. 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 330. 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 prior approval of department chair.

**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 2412. Precalculus Math. 4 Semester Credit Hours.**
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

**MATH 2413. Calculus I. 4 Semester Credit Hours.**
Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

**MTHK 303. Concepts of Elem 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.
MTHK 305. Concepts of Elem 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): MTHK 303.

MTHK 402. 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 will be incorporated where appropriate. Substitutes for MTHK 302 for 4-8 certifying students. Prerequisite(s): MATH 2413.

MTHK 404. 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 MTHK 302 or MTHK 402 or concurrent enrollment.

MTHK 405. 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 be integrated into the curriculum where appropriate. Prerequisite(s): MTHK 305 for EC-6 and 4-8 Mathematics majors; MATH 2413 for all other students.

ESPK 361. Survey Ex Lmr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases 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.

EDUK 340. Mathematics Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUC 490 and EDUC 435, or approval of Curriculum & Instruction Program.

MTHK 315. Mathematics and Technology. 3 Semester Credit Hours.
Interactive math tools, digital photography and spreadsheets are used in the classroom to provide concrete ways to explore abstract concepts, enhance success for visual learners, and promote higher order thinking skills and to deepen understanding. Software tools include GeoGebra, Maple, Geometer's Sketchpad and SPSS. Prerequisite(s): MTHK 309.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUC 320.

RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis 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 320.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUC 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): RDGK 384 and EDUC 330, and concurrent enrollment in RDGK 410, and EDUC 404 or EDUC 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUC 330, and concurrent enrollment in RDGK 409 and EDUC 404 or EDUC 430 or approval of Department Chair.
EDUK 320. Prof Dev I-Understand Learners. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75. Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
# Department of Psychology and Counseling

- B.S. Psychology (p. 182)

## B.S. Psychology

### General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td><strong>Communication-010</strong></td>
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<tr>
<td>ENGL 1301 Composition I</td>
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<tr>
<td>ENGL 1302 Composition II</td>
<td>3</td>
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<tr>
<td><strong>Mathematics-020</strong></td>
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<td>MATH 1314 College Algebra</td>
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<tr>
<td><strong>Natural Sciences-030</strong></td>
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<td>Select six hours of Natural Science</td>
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<td><strong>Humanities-040</strong></td>
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<td>PHIL 1301 Introduction to Philosophy</td>
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<td>or PHIL 2303 Introduction to Logic</td>
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<tr>
<td><strong>Visual and Performing Art-050</strong></td>
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<td>Select three hours of Visual and Performing Arts</td>
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<td><strong>U.S. History-060</strong></td>
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<td>HIST 1301 United States History I</td>
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<td><strong>Political Science-070</strong></td>
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<td>GOVT 2305 American Government I</td>
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<td><strong>Social and Behavioral Sciences-080</strong></td>
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<td>PSYC 2301 General Psychology</td>
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<td><strong>University Option-090</strong></td>
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<td>Choose one of the following</td>
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<td>SPCH 1311 Fundamentals of Speech</td>
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<tr>
<td>or SPCH 1315 Public Speaking</td>
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<tr>
<td>or SPCH 1321 Business &amp; Prof Speaking</td>
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<td>Select three hours that meets one of the core requirements above.</td>
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### Major Course Requirements

<table>
<thead>
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<th>Course</th>
<th>Credit Hours</th>
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<tbody>
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<td>PSYK 307 Human Lifespan</td>
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<td>PSYK 309 Writing in Psychology</td>
<td>3</td>
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<tr>
<td>PSYK 330 Stats for the Behavioral Sci</td>
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<td>PSYK 335 Prin Resrch for Behav Sci</td>
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<tr>
<td>PSYK 412 Biological Found Of Behavior</td>
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</tr>
<tr>
<td>PSYK 420 History Of Psychology</td>
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<td>Choose one of the following</td>
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<td>PSYK 303 Educational Psychology</td>
<td>3</td>
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<tr>
<td>or PSYK 305 Human Cognitive Processes</td>
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</tr>
<tr>
<td>or PSYK 311 Behav Analysis &amp; Behav Mgmt</td>
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<tr>
<td>or PSYK 320 Psycholinguistics</td>
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</tr>
<tr>
<td>or PSYK 301 Psychology of Learning</td>
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</tr>
<tr>
<td>Choose two of the following</td>
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<tr>
<td>PSYK 310 Abnormal Psychology</td>
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<tr>
<td>or PSYK 350 Personality</td>
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<tr>
<td>or PSYK 401 Psychological Assessment</td>
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<td>or PSYK 231 Psychology of Adjustment</td>
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<td>Computer Information Systems Elective</td>
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<tr>
<td><strong>Psychology Elective</strong></td>
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<td>Advanced Psychology Elective</td>
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<tr>
<td><strong>Electives</strong></td>
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<tr>
<td>Any Level electives</td>
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</tr>
<tr>
<td>Advanced electives</td>
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</tr>
</tbody>
</table>

**Total Semester Credit Hours**: 120

1. Refer to the General Education Requirements for more information.
2. Note: Visual and performing art must be historical or appreciative in nature; it may not be an applied or performance course.

### General Education Requirements

#### Communication - 010

**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.

### Mathematics - 020

**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.

### Natural Science - 030*

Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.
Humanities - 040
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 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.

Visual and Performing Arts - 050*
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 enable critical, creative, and innovative communication about works of art.

U.S. History - 060
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 period. 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.

Political Science - 070
GOVT 2305. American Government I. 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. American Government II. 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.

Social and Behavioral Sciences - 080
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.

University Options - 090
SPCH 1311. Fundamentals of Speech. 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 1321. Business & Prof Speaking. 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.

* Courses that meet this requirement at other Texas Public Colleges and Universities maybe used to fulfill this requirement. For further clarification please contact Academic Advising at (254) 501-5856
PSYK 310. Abnormal Psychology. 3 Semester Credit Hours.
An overview of the history, causes, and treatments of deviant behavior. Psychological, social, and physiological factors as they relate to the development of abnormal behavior and its subsequent treatment. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of department chair.

PSYK 311. Behav Analysis & Behav Mgmt. 3 Semester Credit Hours.
Examines the basic principles and methods of behavior analysis and behavior management techniques. Includes a 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. PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 320. Psycholinguistics. 3 Semester Credit Hours.
The course emphasizes 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 PSYK 309 or approval of the department chair.

PSYK 330. Stats for the Behavioral Sci. 3 Semester Credit Hours.
Measures of central tendency, variability, and correlation. Applications of statistical inference to research in Psychology. Reliability and validity of psychological tests and measurement. Also included are analysis of variance, multiple analysis of variance, and regression. Prerequisite(s): PSYC 2301 and MATH 1314 or MATH 1342 or approval of the department chair.

PSYK 332. Psychopharmacology. 3 Semester Credit Hours.
A study of the neuroscientific basis of the effects of drugs on behavior. Emphasis will be placed on major antipsychotic, antianxiety, and antidepressant drugs and their clinical use and side effects. Drug abuse such as alcohol, marijuana, and cocaine will also be reviewed. Prerequisite(s): PSYC 2301, 8 hours of lab science, and PSYK 309 or approval of the department chair.

PSYK 335. Prin Resrch for Behav Sci. 4 Semester Credit Hours.
(WI) A study of the 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 2301, 8 hours of lab science, and PSYK 330 or equivalent.

PSYK 350. Personality. 3 Semester Credit Hours.
An introduction to personality, the unique and relatively stable patterns of behavior, thoughts, and feelings that make individual human beings. The different theoretical approaches - psychodynamic, cognitive, behavioral, humanistic, and existential - will be covered and will be related to personality and personality development. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 360. Sport Psychology. 3 Semester Credit Hours.
This course will provide students with an overview of the theories and research related to sport and exercise behavior. Topics to be covered include the history of sport psychology, behavioral principles, anxiety, motivation, leadership, group dynamics, gender, and personality. The course will also be designed to relate these principles to exercise and sport performance. Prerequisite(s): PSYC 2301 or approval of the department chair.

PSYK 401. Psychological Assessment. 3 Semester Credit Hours.
Principles of psychological testing. Uses and critical evaluation of tests of achievement, intelligence, aptitude, and personality. PSYC 2301, PSYK 309, and PSYK 330, or approval of the department chair.

PSYK 402. 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 and PSYK 309 or approval of the department chair.

PSYK 403. Animal Behavior. 3 Semester Credit Hours.
A survey of the major areas of animal behavior research from a psychological perspective. Research examining 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, PSYK 309, or approval of the department chair.

PSYK 405. Social Psychology. 3 Semester Credit Hours.
Theory and phenomena of social psychology. The effect of social variables upon the behavior of individuals. Topics to be covered include socialization, language and communication, prejudice, social attitudes, attitude change, aggression, prosocial behavior, and group behavior. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 410. Industrial/Organizational Psy. 3 Semester Credit Hours.
A survey of the 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 PSYK 309 or approval of department chair.

PSYK 412. Biological Found Of Behavior. 3 Semester Credit Hours.
Surveys the biological basis of behavior. Includes an in-depth examination of the 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. Recent research will also be reviewed. Prerequisite(s): PSYC 2301, 8 hours of lab science and PSYK 309 or approval of the department chair.

PSYK 420. History Of Psychology. 3 Semester Credit Hours.
Historical analysis of pre-scientific psychology in philosophy and physiology through the period of the psychological schools of thought. Prerequisite(s): PSYC 2301 and PHIL 1301 or 2303, and PSYK 309 and Junior Classification, or approval of Department Chair.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
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.

Anthropology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTK 300</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTK 340</td>
<td>Intro to Bio Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Choose four of the following</td>
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</tr>
<tr>
<td>ANTK 320</td>
<td>Archaeology</td>
<td></td>
</tr>
<tr>
<td>ANTK 410</td>
<td>Myth and Ritual</td>
<td></td>
</tr>
<tr>
<td>ANTK 420</td>
<td>Ancient Civ of Mesoamerica</td>
<td></td>
</tr>
<tr>
<td>ANTK 430</td>
<td>Bioarchaeology</td>
<td></td>
</tr>
<tr>
<td>ANTK 440</td>
<td>Human Osteology</td>
<td></td>
</tr>
<tr>
<td>ANTK 451</td>
<td>Forensic Anthropology</td>
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Total Semester Credit Hours: 18

Chemistry

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<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I (Lecture + Lab)</td>
<td>4</td>
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<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II (Lecture + Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 430</td>
<td>Biochemistry I</td>
<td>4</td>
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<tr>
<td>CHEM 431</td>
<td>Biochemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 415</td>
<td>Instrumental Analysis</td>
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Total Semester Credit Hours: 24

Criminal Justice

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<tbody>
<tr>
<td></td>
<td>Advanced Criminal Justice electives</td>
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</tr>
<tr>
<td></td>
<td>Any level Criminal Justice electives</td>
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</table>

Total Semester Credit Hours: 18

English

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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>Advanced English electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Any level English electives</td>
<td>12</td>
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Total Semester Credit Hours: 18

Film Studies

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Select Three of the following</td>
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</tr>
<tr>
<td>ENGK 436</td>
<td>Film History</td>
<td></td>
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<tr>
<td>ENGK 437</td>
<td>Film Auteurs</td>
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<tr>
<td>ENGK 438</td>
<td>Film Genres</td>
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<tr>
<td>ENGK 439</td>
<td>Film Theory and Criticism</td>
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<tr>
<td></td>
<td>Choose Three of the following</td>
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<tr>
<td>C JK 345</td>
<td>Criminal Justice in Film</td>
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<tr>
<td>F AK 485</td>
<td>Fine Arts Seminar (Art of Documentary Film)</td>
<td></td>
</tr>
<tr>
<td>HSTK 361</td>
<td>History and Film</td>
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</table>

Total Semester Credit Hours: 18

History

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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>Advanced History electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Any level History elective</td>
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Total Semester Credit Hours: 18

Homeland Security

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>C JK 340</td>
<td>Homeland Security</td>
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<tr>
<td>MGTK 460</td>
<td>Emergency Management</td>
<td>3</td>
</tr>
<tr>
<td>R SK 420</td>
<td>Religious Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CISK 441</td>
<td>IT Security and Risk Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>or CISK 442</td>
<td>Comp Security Principles &amp; Pra</td>
<td></td>
</tr>
<tr>
<td>or CISK 446</td>
<td>Applied Security</td>
<td></td>
</tr>
<tr>
<td>or CISK 448</td>
<td>Security Trends &amp; Malware Anlys</td>
<td></td>
</tr>
<tr>
<td>C JK 310</td>
<td>C J Supervision &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 320</td>
<td>Terrorism &amp; Political Violence</td>
<td>3</td>
</tr>
<tr>
<td>or PLSK 420</td>
<td>Weapons of Mass Destruction</td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 18

Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Advanced Mathematics elective</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Any level Mathematics electives</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 18
Military Science
Advanced Military Science elective 6
Any level Military Science elective 12
Total Semester Credit Hours 18

Political Science
Advance Political Science elective 6
Any level Political Science elective 12
Total Semester Credit Hours 18

Religious Studies
Religious Studies courses and/or any of the following 18
- HSTK 329 Church and State
- PLSK 355 Religion and Politics
- SOCK 404 Sociology of Religion
Total Semester Credit Hours 18

Sociology
Advanced Sociology electives 6
Any level Sociology electives 12
Total Semester Credit Hours 18

Social Work
Advanced Social Work electives 6
Any level Social Work electives 12
Total Semester Credit Hours 18

Accounting
Advanced Accounting electives 6
Any level Accounting electives 12
Total Semester Credit Hours 18

Aviation Science
Advanced Aviation Science electives 6
Any level Aviation Science electives 12
Total Semester Credit Hours 18

Business
Advance Business electives * 6
Any level Business electives * 12
Total Semester Credit Hours 18

* The Business minor may include courses from Accounting, Computer Information Systems, Computer Science, Economics, Finance, General Business, Human Resource Management, Management, Marketing and Real Estate.

Business Administration
ACCK 300 Accounting Concepts 3
or ACCT 2301 Prin of Accounting I-Financial
ECON 2301 Principles of Macroeconomics 3
FINK 301 Prin of Fin Mgmt * 3
MGTK 301 Principles of Management 3
MKTK 301 Marketing 3
G BK 311 Business Statistics 3
Total Semester Credit Hours 18

* Requires an additional prerequisite of ACCT 2302: Principles of Accounting II-Managerial

Computer Information Systems
Advanced Computer Information Systems electives 6
Any level Computer Information Systems electives 12
Total Semester Credit Hours 18

Finance
Advanced Finance electives 6
Any level Finance electives 12
Total Semester Credit Hours 18

Human resource Management
G BK 434 Employment Law 3
MGTK 302 Personnel/HRM 3
MGTK 403 Wage & Salary Administration 3
MGTK 404 Recruit, Select & Placement 3
MGTK 405 Human Resource Development 3
MGTK 406 Employer / Labor Relations 3
Total Semester Credit Hours 18

* Some courses in this minor will have prerequisites of MGTK 301: Principles of Management and G BK 301: Business Correspondence

Management
Advanced Management electives 6
Any level Management electives 12
Total Semester Credit Hours 18

Psychology
Advanced Psychology electives 6
Any level Psychology elective 12
Total Semester Credit Hours 18
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 rules and standard administrative procedures. The DGS promotes the mission and goals of the Office of Graduate Studies and the authority to act for the administration and Graduate Council within 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 effective 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 seek continuous improvement through benchmark assessments including internal and external peer-review.

Values
Graduate Studies at Texas A&M University – Central Texas provide 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
Graduate Admissions Requirements

Admission to Graduate Studies

Admission to Graduate Studies is administered by the Director of Graduate Studies in conjunction with the Graduate Council. Applicants seeking admission must present the following credentials and materials indicating the 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 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 graduatetestudies@tamuct.edu.
3. Pay the $30 application-processing fee via the electronic application, or pay through the 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. The transcript from the last institution must reflect the student in good standing. Official transcripts delivered to the Office of Graduate Studies must be received in a sealed envelope. If your previous institution(s) participate in the sending of secure electronic transcripts (eScrip-Safe, National Student Clearing House, Parchment, or Credentials Solutions) transcripts can be sent directly to graduatetestudies@tamuct.edu.
5. If required, scores on the Aptitude Test of the Graduate Record Exam (GRE) should be sent directly to the Graduate Office by the Educational Testing Service (ETS). Business students may take the GMAT exam; these scores must be sent directly to the Graduate Office by Pearson Education.
6. Provide proof of bacterial meningitis shot for students aged 22 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.

At the time of application, students who have attempted graduate level credit at a regionally accredited U.S. institution after graduation with a bachelor’s degree are considered transfer students. Applicants must be eligible to re-enroll at last attended colleges and universities attended and must submit final official transcripts from each college or university attended. For students who have previously attended A&M-Central Texas, transfer work and A&M-Central Texas work will be combined to determine a cumulative GPA. Transferred developmental and similar non-college credits are not used in determining the GPA needed to be eligible for transfer admission.

Graduate Categories of Admissions

Conditional Admission

Students are conditionally admitted to Graduate Studies at A&M-Central Texas. Full admission occurs at the graduate program level.

Conditional admission is awarded to applicants who meet the following requirements:

- Submit completed application and fee by visiting www.applytexas.org (http://www.applytexas.org);
- A bachelor’s degree from a regionally accredited U.S. institution or the equivalent from a foreign institution;
- 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 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, 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;
- Proof of bacterial meningitis shot for students aged 22 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 that they have 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, he/she 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 departmental admission requirements may be required for admission to the selected graduate program. Conditional Admission may be granted by the Graduate Studies Office until Full Admission is obtained due to completing department admission requirements. 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 Program. Provisional admission is awarded to applicants who meet all the following requirements:

- Students must be within 12 hours of graduation with 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 course work;

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 course work 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 for potential graduate students to improve their GPA if significant GPA issues exist for admission to Graduate Studies. Post-baccalaureate students are subject to all 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 designate that they do not choose to seek a graduate degree but who hold a baccalaureate degree from a regionally accredited college or higher may be enrolled for graduate course work as a Non-Degree Seeking Graduate Student (NDS). The NDS Option also allows potential graduate students to improve their GPA.

- The NDS graduate students are not required to submit scores on the GRE or the GMAT. However, official transcript(s) which indicate the conferral of the bachelor’s degree or higher and good standing at the last college attended are required.
- Students in this category may take up to 18 hours of course work; however, they waive the right to count more than 6 hours toward an advanced degree at A&M-Central Texas.
- A NDS student has no assurance that work completed while in this classification will be applicable toward degree requirements should he or she subsequently gain admission to a degree program. All graduate courses are reviewed on a case by case basis for transfer.

**Graduate Academic Advising**

The graduate advisor, designated by the graduate program coordinator, assists students in planning initial course work prior to formal granting of admission to the program of study. Before seeking enrollment in any course that might be applied toward a master's degree, students must consult their advisors.

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**

Upon the recommendation of the graduate student’s advisory committee and the chair of the major department or college dean, as well as the approval of the DGS, the University may accept as many as 12 hours of graduate work completed at another regionally accredited institution when a graduate degree has not been awarded for the hours transferred. Course work in which no formal grades are given or in which grades other than letter grades (A, B, C, etc.) are given (e.g. CR, P, S, U, etc.) is not accepted for transfer credit. Credit for course work submitted for transfer from any college or university must be shown in semester credit hours or equated to semester credit hours. Only A, B, and C grades are transferred from non-completed graduate degrees.

A maximum of 6 hours from courses that have been applied or counted toward a completed graduate degree program may be transferred into an A&M-Central Texas master's degree program with the approval of the academic department chair or college dean in which the degree is sought. A maximum of 6 hours from a completed master’s degree from A&M-Central Texas may be counted toward a second master’s degree with the approval of the current academic department chair or college dean. All courses accepted in transfer must have been completed within six years of the time that the student will complete his/her graduate degree program at A&M-Central Texas. Only A, B, and C grades are transferred from completed graduate degrees.

No academic work completed by correspondence courses may be applied towards graduate degree programs. Correspondence courses include those courses where faculty interaction is absent.

**Graduate International Students**

Admission of an international student to a graduate program will be based 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, grade point average, 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 reports 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 complete 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 graduatestudies@tamuct.edu.

The applicant may be required to complete leveling classes in a particular field of study as instituted by the Department.

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. Note that a copy of all financial statement documentation must be included with the admissions packet. 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.

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 graduatestudies@tamuct.edu.

**Requirements for Master Degree and Certificates**

**Semester Hour Requirements**

The candidate for a master's degree must earn graduate credit amounting to a minimum of 30 semester hours.

**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 student unable to maintain continuous enrollment may, on a case by case basis, be granted an extension. For military members who have deployed and were 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, no later than dates specified by the University:

1. Application for the degree indicating fall, spring, or summer commencement; and
2. Complete and submission of a "Graduation Application" and submit to the Graduate Office. 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 of the master's 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 University calendar for deadlines for submission of comprehensive examination results to the Office of Graduate Studies.

The oral examination, when required in addition to the written examination, is conducted by the student's advisory committee.
A representative of the Graduate Studies office may be invited to participate in this examination.

Students whose performance on the comprehensive examination is unsatisfactory may reschedule an examination at the next regular administration, or, at the discretion of the advisory committee, graduate coordinator, and department chair involved, at an earlier date. Unless departmental requirements are more limiting, students who attempt the comprehensive examination three times and are not successful will be dropped from the graduate program. No appeal exists beyond the three attempts to pass the comprehensive examination.

**Thesis Information**

Not every graduate program at A&M-Central Texas requires a thesis for completion of a master’s degree. 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 course work. 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.

**Binding, and PDF Copies of Thesis with or without Thesis Copyright**

All theses completed by graduate students at A&M-Central Texas are sent to UMI/ProQuest. Fees for a thesis submission are indicated in the Thesis Manual. The abstract of a thesis is restricted to 150 words. Mathematical formulas and other illustrated materials in the abstract are equated to the number of words that would occupy the space in determining its length. An author wishing to register his/her thesis copyright must pay an additional cost. If the thesis contains extensive use of material copyrighted by another author, the author of the document must certify that the material is used with the written permission of the other copyrighted holder.

**Graduate Grading System**

Graduate degree credit is allowed only 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 concentration field, if one is selected; and
4. as a cumulative GPA on all courses.

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:
- A-Excellent, 4 grade points per semester hour
- B-Good, 3 grade points per semester hour
- C-Fair, 2 grade points per semester hour
- D-Not Passing for graduate course work.
- F-Failing.
- IP-In Progress (for thesis courses only)
- I-Incomplete
- S-Satisfactory (for thesis only)
- W-Withdrawal from course, no grade designated
- WF-Withdrawal failing (included in GPA)

The lowest passing grade is a “C.” Students should keep in mind 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 such cases after 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 previous semester’s I 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 by recommendation to the Director of Graduate Studies, by the student’s advisory committee or graduate coordinator, and chair of his/her major department.

Courses listed for graduate credit on the approved degree plan in which the student has received a final grade 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 Associate Vice President of Graduate Studies & Research.

**Degree Major**

All degrees require a minimum of 18 semester hours to be completed in the graduate student’s major field, with the exception of the MSLS. 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. Exception to this requirement must be approved by the graduate coordinator and/or Department Chair.

Degree Concentration
A graduate student may declare a concentration of 12 hours in a second field.

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 minimum required as set by the department (at least a minimum of 3.0 GPA), she/he will be given notice of unsatisfactory academic performance and 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. Students may not attend classes for one long semester or the summer term. Upon return from suspension a student will 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. Consideration for reinstatement will be 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 Weeks (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>

1. Half time is 5 Semester credit hours.
2. Three fourths time is 7 semester credit hours.

Class format and Location
Graduate courses are offered in multiple formats – face-to-face, lecture with online component, and online only – on the A&M-Central Texas campus in Killeen, and at designated off-campus locations approved by the Texas Higher Education Coordinating Board.
GRADUATE PROGRAMS

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

Please see Admission to the Graduate Studies Program (p. 188) to begin.

A&M-Central Texas offers the following graduate programs:

College of Arts and Sciences

- MCJ Criminal Justice (p. 201)
- M.A. History (p. 196)
- M.S. Liberal Studies (p. 199)
- M.S. Mathematics (p. 200)
- M.A. Political Science (p. 198)

College of Business Administration

- MBA Business Administration (p. 209)
- M.S. Accounting (p. 205)
- M.S. Information Systems (p. 206)
- M.S. Management and Leadership (p. 211)
- Health Administration Certificate (p. 213)

College of Education

- MEd Curriculum & Instruction-Elementary Education (p. 217)
- MEd Curriculum & Instruction-Elementary Education w/ Certification (p. 218)
- MEd Curriculum & Instruction-Reading Specialist (p. 220)
- MEd Curriculum & Instruction-Secondary Education (p. 221)
- MEd Curriculum & Instruction-Secondary Education w/ Certification (p. 222)
- MEd Curriculum & Instruction-Special Education (p. 223)
- MEd Curriculum & Instruction-Special Education w/ Certification (p. 224)
- MEd Counseling-School Counselor Option (p. 230)
- School Counselor Certification (p. 239)
- MEd Educational Leadership-Principal Certification (p. 226)
- Superintendent Certification (p. 228)
- M.S. Educational Psychology-Experimental Psychology (p. 234)
- M.S. Marriage and Family Therapy (p. 235)
- M.S. Clinical Mental Health Counseling (p. 232)
- SSP School Psychology (p. 237)
College of Arts and Sciences

The College of Arts and Sciences provides a high-quality, liberal arts education in the humanities, social sciences, and natural sciences. We foster intellectual and civic engagement, cultural literacy, and continuous discovery through excellence in the classroom, innovative research, and creative activities.

The College of Arts and Sciences is dedicated to intellectually challenging programs that are recognized for excellent teaching, scholarship, and outreach. The college develops ethical leaders and informed citizens to serve the community, the state, and the nation.

Department of Humanities
- English
- History
- Liberal Studies
- Political Science

Department of Social Sciences
- Criminal Justice
- Sociology

Department of Sciences and Mathematics
- Nursing Program
- Mathematics and Physics

Department of Social Work
- Social Work Program
Department of Humanities

- M.A. History (p. 196)
- M.S. Liberal Studies (p. 199)
- M.A. Political Science (p. 198)
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 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 admissions, the MA in History program permits them to register for graduate history coursework once they have 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. Students should provide official transcripts in order to document all prior history coursework. If a student has not satisfied this requirement, they may be required to take up to 24 credits of undergraduate leveling in history, in which they must earn a GPA of 3.0. 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, which will be made in consultation with the full-time faculty in the program.

The graduate coordinator communicates the program admissions decisions, and acts as the point of contact for inquiries having to do with the MA in History program. The graduate coordinator is also responsible for all advising, including assisting 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 course work.

If at any point a student’s GPA in the MA in History program falls below a 3.0, 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, they must retake that course, and if the failing grade causes them to go on suspension they could remain on suspension until the GPA is raised to at least 3.0. Once they complete any required leveling in history, students are permitted to register for graduate history coursework.

Master of Arts Degree in History Core Requirements

The MA in History requires 36 hours of approved course work, including HIST 500 (Elements of Historical Inquiry), 598 (Historiography and Historical Method), and one research course (HIST 520, 532, or 542). In consultation with the graduate coordinator, a student may take 12 hours in an appropriate supporting field. The student must take course work 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 either by the successful completion (with a C or better) of 14 hours in a single foreign language (either on the undergraduate or graduate level, at the equivalent of the intermediate level).

Additional Requirements for the Thesis Track

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 course work, and will enroll in Thesis (HIST 588) only with prior approval of the graduate coordinator. Six hours of Thesis (HIST 588) may count towards 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 their thesis committee.

Additional Requirements for Non-Thesis Track

Each student takes a written comprehensive examination based on course work 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 course work in areas of weakness may be required.

M.A. History Non-thesis Option

Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSTK 500 Elements of Historical Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>HSTK 598 Historiography &amp; Hist Methods</td>
<td>3</td>
</tr>
<tr>
<td>HSTK 577 Comprehensive Exam</td>
<td>0</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>HSTK 520 State and Local History</td>
<td></td>
</tr>
<tr>
<td>HSTK 532 Sel Topics In Amer Hist</td>
<td></td>
</tr>
<tr>
<td>HSTK 542 Selected Topics in Europe Hist</td>
<td></td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level History electives 15-27

Optional Support Field

Optional support field selected in consultation with graduate coordinator 12

Total Semester Credit Hours 36

M.A. History Thesis Option

Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSTK 500 Elements of Historical Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>HSTK 588 Thesis</td>
<td>6</td>
</tr>
<tr>
<td>HSTK 598 Historiography &amp; Hist Methods</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>HSTK 520 State and Local History</td>
<td></td>
</tr>
<tr>
<td>HSTK 532 Sel Topics In Amer Hist</td>
<td></td>
</tr>
<tr>
<td>HSTK 542 Selected Topics in Europe Hist</td>
<td></td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level History electives 9-21

Optional Support Field
### Required Courses

**HSTK 500. Elements of Historical Inquiry. 3 Semester Credit Hours.** Introduces graduate students to the profession of history, including how historians read sources, post questions, draw inferences, shape their narratives, and engage historical writings.

**HSTK 598. Historiography & Hist Methods. 3 Semester Credit Hours.** A survey of various “schools” of history with particular emphasis on recent trends and techniques in historical writing. Pre-requisite: HSTK 500 and full admission to the graduate program or approval of instructor.

**HSTK 520. State and Local History. 3 Semester Credit Hours.** Selected problems. Readings and research in Texas history. May be repeated when topics vary.

**HSTK 532. Sel Topics In Amer Hist. 3 Semester Credit Hours.** Research and writing of papers on selected topics. May be repeated for credit when topics vary.

**HSTK 542. Selected Topics in Europe Hist. 3 Semester Credit Hours.** Research and writing of papers on selected topics. May be repeated for credit when topics vary.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
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.

M.A. Political Science Non-Thesis Option

Program Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSK 500</td>
<td>Pol Science Rsrch Methods</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 501</td>
<td>Political Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 505</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 506</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 507</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 577</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level Political Science electives and/or optional support field selected in consultation with graduate coordinator 21

Total Semester Credit Hours 36

Note: Only 12 hours can come from a support field.

M.A. Political Science Thesis Option

Program Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLSK 500</td>
<td>Pol Science Rsrch Methods</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 501</td>
<td>Political Decision-Making</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 505</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 506</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 507</td>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PLSK 588</td>
<td>Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level Political Science electives and/or optional support field selected in consultation with graduate coordinator 15

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).

Required Courses

PLSK 500. Pol Science Rsrch Methods. 3 Semester Credit Hours.
This course introduces students to elements of research design and statistical analysis. Topics covered include hypothesis-testing, reliability and validity, measures of association, linear regression, and maximum likelihood estimation.

PLSK 501. Political Decision-Making. 3 Semester Credit Hours.
This course introduces students to formal models of political decision-making, including game theory, spatial voting models, decision theory, and collective social choice.

PLSK 505. American Politics. 3 Semester Credit Hours.
This core graduate seminar examines basic approaches to the study of American Politics, including major works and recent research on this topic.
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 designed for a wide spectrum of individuals.

Emphasis Option Program Requirements

<table>
<thead>
<tr>
<th>Emphasis</th>
<th>Graduate hours in the selected field of emphasis</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Degree Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Course at graduate level (must be approved by Liberal Studies Graduate Coordinator)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>L SK 500 Interdisciplinarity</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>L SK 577 Comprehensive Exam</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Additional Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate hours outside the emphasis area</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

Dual Concentration Option

| Emphasis 1 | Graduate hours in the selected concentration area | 12 |
| Emphasis 2 | Graduate hours in the selected concentration area different from concentration 1 | 12 |
| Other Degree Requirements |
| Research Course at the graduate level (must be approved by department) | 3 |
| L SK 500 Interdisciplinarity | 3 |
| L SK 577 Comprehensive Exam | 0 |
| Additional Electives |
| Graduate hours outside the concentration area | 6 |
| Total Semester Credit Hours | 36 |

For more information about the MS in Liberal Studies, see the Graduate Studies website at http://www.tamuct.edu/departments/graduatestudies/index.php.

Required Course

L SK 500. Interdisciplinarity. 3 Semester Credit Hours.
Interdisciplinary is a course in which students research, write, and present about how paradigm shifts and paradigm development contribute to the emergence of disciplines and the creation of knowledge. Prerequisite(s): Graduate standing.

Students need to contact their advisor to help choose classes for the Emphasis.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Sciences and Mathematics

M.S. Mathematics (p. 200)

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.

M.S. Mathematics Non-Thesis

Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHK 505 Probability And Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 508 Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 520 Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 550 Applied Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 577 Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level Mathematics electives 12

Additional Electives

Approved Mathematics or other supporting field courses 12

Total Semester Credit Hours 36

M.S. Mathematics Thesis track

Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHK 505 Probability And Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 508 Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 520 Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 550 Applied Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MTHK 588 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Other Degree Requirements

Approved graduate level Mathematics electives 12

Additional Electives

Approved Mathematics or other supporting field courses 6

Total Semester Credit Hours 36

Required Courses

MTHK 505. Probability And Statistics. 3 Semester Credit Hours.
Topics will be selected from: distributions and stochastic processes, parametric and nonparametric statistics, and time series analysis. Prerequisite(s): MTHK 311.

MTHK 508. 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): MTHK 432.

MTHK 520. 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; differentiation and integration. Prerequisite(s): MTHK 409.

MTHK 550. 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): MTHK 332.

MTHK 588. 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Social Sciences

• MCJ Criminal Justice (p. 201)

MCJ Criminal Justice

The Master of Criminal Justice prepares personnel for administrative positions in the police, corrections, juvenile, and judicial systems. The objectives of the program are based upon the assumption that criminal justice decision and policy making 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.

Master of Criminal Justice

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 500</td>
<td>Multivariate Analysis</td>
<td>3</td>
</tr>
<tr>
<td>C JK 501</td>
<td>Advanced Criminology</td>
<td>3</td>
</tr>
<tr>
<td>C JK 502</td>
<td>Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>C JK 503</td>
<td>Race and Ethnicity in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>C JK 506</td>
<td>Program Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 598</td>
<td>Advanced Methods</td>
<td>3</td>
</tr>
<tr>
<td>C JK 510</td>
<td>Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>C JK 522</td>
<td>Advanced CJ Ethics</td>
<td>3</td>
</tr>
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</table>

Emphasis Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 577</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 36

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.

3 Offered three times per year. Subject areas include theory, methods, statistics, and ethics.

4 C JK 598 is required for Thesis Emphasis.

Master of Criminal Justice - Professional Emphasis

Students who wish to enhance their professional standing as a criminal justice practitioner, and students who are pursuing the MCJ online, should choose the professional track concentration. This track does not prepare one for college teaching or doctoral work.

Emphasis Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 507</td>
<td>Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>C JK 521</td>
<td>Leadership &amp; Supervision</td>
<td>3</td>
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</tbody>
</table>

Choose Three of the following

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 505</td>
<td>The Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 506</td>
<td>Program Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 509</td>
<td>Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 511</td>
<td>Regression Analyses</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 512</td>
<td>Treatment in Corrections</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 515</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>or C JK 598</td>
<td>Advanced Methods</td>
<td>3</td>
</tr>
<tr>
<td>or ANTK 551</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>or SOCK 503</td>
<td>Theoretical Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 15

1 C JK 506 and C JK 598 may be used in the professional emphasis if it is not used in the core area.

Master of Criminal Justice - Thesis Emphasis

Students who wish to pursue an academic career in teaching of research, or who wish to pursue a doctoral degree, should choose the thesis track concentration. The thesis track is not open to students who are pursuing an online MCJ degree.

Emphasis Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>C JK 521</td>
<td>Leadership &amp; Supervision</td>
<td>3</td>
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</table>

Choose two of the following:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 505</td>
<td>The Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td>C JK 506</td>
<td>Program Evaluation (Cannot be used in core)</td>
<td>3</td>
</tr>
<tr>
<td>C JK 507</td>
<td>Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>C JK 509</td>
<td>Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>C JK 511</td>
<td>Regression Analyses</td>
<td>3</td>
</tr>
<tr>
<td>C JK 512</td>
<td>Treatment in Corrections</td>
<td>3</td>
</tr>
<tr>
<td>C JK 515</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>ANTK 551</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOCK 503</td>
<td>Theoretical Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Thesis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C JK 597</td>
<td>Thesis (Semester 1)</td>
<td>3</td>
</tr>
<tr>
<td>C JK 597</td>
<td>Thesis (Semester 2)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 15

2 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.

3 Assumes competency in multivariate analysis on either the undergraduate or graduate level.
Masters of Criminal Justice - Homeland Security Emphasis

Emphasis Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLSC 507</td>
<td>Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>HLSC 509</td>
<td>Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>HLSC 520</td>
<td>Religious Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>HLSC 521</td>
<td>Leadership &amp; Supervision</td>
<td>3</td>
</tr>
<tr>
<td>HLSC 570</td>
<td>Foundations of Information Security</td>
<td>3</td>
</tr>
<tr>
<td>C JK 577</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 15

Required Courses

C JK 500. Multivariate Analysis. 3 Semester Credit Hours.
Introduction to multivariate techniques and measures, including chi-based, lambda, gamma, Spearman’s rho, Pearson’s r, bivariate and partial tables, scatterplots, and regression. Use and interpretation of a statpak and outputs. This course assumes basic competency in upper-level, undergraduate statistics, including measures of central tendency, dispersion, and hypothesis testing using significance levels. Prerequisite(s): Undergraduate or graduate coursework in Criminology or instructor approval.

C JK 501. Advanced Criminology. 3 Semester Credit Hours.
In-depth examination of major theoretical perspectives of crime and deviancy. Theories are analyzed 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 instructor approval.

C JK 502. Philosophy of Law. 3 Semester Credit Hours.
An in-depth study of 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.

C JK 503. Race and Ethnicity in Criminal Justice. 3 Semester Credit Hours.
This course addresses issues related to racial/ethnic minorities and crime in America. Perceptions of race, class, offending, and victimization are explored. Disparities in offending, victimization, law enforcement practices, trial process, and sentencing are examined in depth.

C JK 506. Program Evaluation. 3 Semester Credit Hours.
This course is designed to introduce students to what program evaluation is, the need for program evaluations, and the methods used to conduct evaluations.

C JK 507. Homeland Security. 3 Semester Credit Hours.
An in-depth study of 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.

C JK 520. Religious Terrorism. 3 Semester Credit Hours.
Examines the definitions, history, beliefs, practices, organizational structure, and conflicts involved in terrorist activities. Addresses funding and criminal connections with terrorist organizations. Treats efforts at counterterrorism, as well as the psychological aspects of suicide terrorism.

C JK 521. Leadership & Supervision. 3 Semester Credit Hours.
A critical examination of 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.

C JK 522. Advanced CJ Ethics. 3 Semester Credit Hours.
The practical implications of moral philosophy and ethics in a free society during the day-to-day administration of a criminal justice agency are discussed.

C JK 527. Advanced Methods. 3 Semester Credit Hours.
The study of social scientific research methods, focusing specifically on criminal justice research. Includes an advanced review of procedures and techniques for research in criminology, law enforcement, courts, and corrections. Students are able to critically examine research designs and published research findings. Prerequisite(s): Undergraduate or graduate course in Research Methods or instructor approval.

C JK 505. The Juvenile Justice System. 3 Semester Credit Hours.
A critical analysis of the policies and practices of the juvenile justice system.
HLSC 521. Leadership & Supervision. 3 Semester Credit Hours.
Critical examination of 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.

HLSC 570. Foundations of Information Security. 3 Semester Credit Hours.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
College of Business Administration

Mission Statement
The primary mission of the College of Business Administration is to provide an innovative, creative, and relevant education in business disciplines to a diverse group of students. We accomplish this mission by creating an educational environment conducive to the fullest development of an individual's learning and scholarly potential. As a community of scholars, teachers, and practitioners, we are committed to excellence in teaching, research, and service to society.

Programs
The College of Business Administration offers a baccalaureate program leading to the Bachelor of Business Administration (BBA) degree with majors in Accounting, Computer Information Systems, Finance, Management, Human Resources Management, Marketing, and Interdisciplinary Business. The College of Business Administration works with departments across the University in developing support fields for the Interdisciplinary Business degree. The program also offers a BS degree in Computer Information Systems for specialists not seeking a business degree. The College also offers the Bachelor of Applied Arts and Sciences (BAAS) degree in Business Management, and the BS in Aviation Science.

Graduate degree programs offered in The College of Business Administration are the Master of Business Administration (MBA), Master of Science (MS) in Information Systems, Master of Science in Human Resource Management, and Master of Science in Management and Leadership.

The College of Business Administration programs in Accounting, Finance, Management & Marketing are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).
Department of Accounting, Finance and Economics

• M.S. Accounting (p. 205)

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 Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINK 507</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 515</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 505</td>
<td>Accounting Theory</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 515</td>
<td>Business Law for Accountants</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 540</td>
<td>Ethics in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 589</td>
<td>Current Topics in Acctg</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 545</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 570</td>
<td>Seminar in Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 586</td>
<td>Problems</td>
<td>3</td>
</tr>
<tr>
<td>ACCK 577</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
</tbody>
</table>

Approved Electives

Approved graduate level Accounting electives 9

Total Semester Credit Hours 36

For more detailed information about the MS Accounting degree see the department website at http://www.tamuct.edu/departments/accounting/index.php.

Required Courses

FINK 507. Financial Management. 3 Semester Credit Hours.
Course focuses on financial decision making in the modern corporation. Basic issues include capital budgeting, capital structure, corporate sources of funding, dividend policy, and financial risk management, standard theories of risk and return, and valuation of assets. Prerequisite(s): FINK 500 or approval of instructor.

MGTK 515. International Management. 3 Semester Credit Hours.
This course will focus on the cultural aspects of managing organizations. Research, synthesis, and presentation of current and seminal research on the subject of global business cultures and their management will be dominant components. Cross-cultural issues and their impact on leadership and organizational performance will also be addressed. Prerequisite(s): Management leveling.

ACCK 505. Accounting Theory. 3 Semester Credit Hours.
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.
Department of Computer Information Systems

- M.S. Information Systems (p. 206)

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 have 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 in Information Systems 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 as a combination of the preceding two formats. To learn more about the graduate programs, please visit the website http://www.tamuct.edu/departments/computer/index.php.

M.S. Information Systems Non-Thesis

Program Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISK 504</td>
<td>Telecommunications for Manager</td>
<td>3</td>
</tr>
<tr>
<td>CISK 507</td>
<td>Sys Analysis for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CISK 511</td>
<td>Managing Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CISK 516</td>
<td>Applied Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CISK 551</td>
<td>IT Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CISK 593</td>
<td>Comprehensive Exam</td>
<td>0</td>
</tr>
<tr>
<td>CISK 598</td>
<td>Research Methods in Info Sys</td>
<td>3</td>
</tr>
</tbody>
</table>

Approved Electives

- Approved graduate level CIS electives | 12
- Approved graduate level electives   | 6

Total Semester Credit Hours | 36

For more detailed information about the MS in Information Systems see the department website at http://www.tamuct.edu/departments/computer/index.php.

M.S. Information systems Thesis track

Program Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CISK 504</td>
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</tr>
<tr>
<td>CISK 507</td>
<td>Sys Analysis for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CISK 511</td>
<td>Managing Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CISK 516</td>
<td>Applied Database Management</td>
<td>3</td>
</tr>
<tr>
<td>CISK 551</td>
<td>IT Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CISK 598</td>
<td>Research Methods in Info Sys</td>
<td>3</td>
</tr>
</tbody>
</table>

CISK 588 Thesis 6

Approved Electives

- Graduate-Level CIS Electives 9
- Any approved graduate-level electives 3

Total Semester Credit Hours 36

For more detailed information about the MS in Information Systems see the department website at http://www.tamuct.edu/departments/computer/index.php.

Required Courses

CISK 504. Telecommunications for Manager. 3 Semester Credit Hours.
Examines 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.

CISK 507. Sys Analysis for Managers. 3 Semester Credit Hours.
Investigates and compares various analysis approaches for application automation while highlighting management considerations for planning and developing automated systems. Systems life cycle models and case studies are used. Prerequisite(s): CISK 503 and CISK 516, or approval of the department chair.

CISK 511. Managing Information Systems. 3 Semester Credit Hours.
Studies 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. Examines information systems management, intellectual property, privacy, organizational and societal impact, legal issues, ethics, security issues, decision making, strategic information systems, and organizational support systems.

CISK 516. Applied Database Management. 3 Semester Credit Hours.
Examines the objectives and methodologies of database management. Topics include data models, database design, data dictionaries, fourth generation programming languages, data integrity, security, and privacy. Students use a commercial database.

CISK 593. Comprehensive Exam. 0 Semester Credit Hours.
This is the sign up for 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.

CISK 551. IT Project Management. 3 Semester Credit Hours.
Studies the genesis of project management and its importance to improving the success of information technology projects. Project management concepts and techniques are emphasized, and students are required to apply these concepts by working on a group project as a project manager or active team member. Prerequisite(s): CISK 511 or approval of the department chair.

CISK 598. Research Methods in Info Sys. 3 Semester Credit Hours.
This course examines timely topics related to computer-based systems. The course develops research skills, problem-solving skills, applies the scientific method refines presentation skills, and promotes team involvement. The course operates in a distributed team environment using the Internet as its communication vehicle.

CISK 588. Thesis. 1-6 Semester Credit Hours.
 Scheduled when the student is ready to begin the thesis. No credit until the thesis is accepted. Prerequisite(s): CISK 518, CISK 598, and consent of major advisor, or approval of the department chair.
For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Management and Marketing

- MBA Business Administration (p. 209)
- M.S. Management and Leadership (p. 211)
- Health Administration (p. 213)
MBA 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 your graduate business courses at Texas A&M University-Central Texas, you may be required to demonstrate pre-requisite knowledge for certain courses prior to registration. At your initial advising appointment, your faculty advisor will confirm what areas of leveling that you will need in order to clear pre-requisites that have been established for certain courses. Presently, some pre-requisite knowledge is required in the following disciplines: Accounting, Finance, Management, Marketing, and Statistics. Pre-requisite knowledge may be demonstrated through approved undergraduate coursework in that discipline or satisfactory completion of required skills examination administered through a third-party provider, Ivy Software. Contact your advisor for specific leveling details.

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCK 503</td>
<td>Accounting and Management</td>
<td>3</td>
</tr>
<tr>
<td>CISK 511</td>
<td>Managing Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>FINK 507</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>G BK 510</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>G BK 588</td>
<td>Seminar in Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 508</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 501</td>
<td>Organizational Behavior</td>
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<tr>
<td>G BK 577</td>
<td>Comprehensive Exam</td>
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</tbody>
</table>

### Approved Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Approved graduate level electives</td>
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<td>15</td>
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</table>

Total Semester Credit Hours: 36

For additional information about the MBA see the departmental website at [http://www.tamuct.edu/departments/management/index.php](http://www.tamuct.edu/departments/management/index.php)

### Marketing

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MTK 510</td>
<td>Integrated Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MTK 512</td>
<td>Brand Management</td>
<td>3</td>
</tr>
<tr>
<td>MTK 515</td>
<td>International Marketing</td>
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Total Semester Credit Hours: 9

### Management

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MGTK 507</td>
<td>Resp and Ethics of Leadership</td>
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</tr>
<tr>
<td>MGTK 515</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 568</td>
<td>Org Development and Change</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Level Management Electives</td>
<td></td>
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</table>

Total Semester Credit Hours: 15

### International Business

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINK 501</td>
<td>Int’l Fin and Bus Str</td>
<td>3</td>
</tr>
<tr>
<td>G BK 515</td>
<td>International Business Law</td>
<td>3</td>
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<tr>
<td>MGTK 515</td>
<td>International Management</td>
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### Human Resource Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HRMK 502</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>HRMK 503</td>
<td>Managing HR Development</td>
<td>3</td>
</tr>
<tr>
<td>HRMK 505</td>
<td>Human Resource Law</td>
<td>3</td>
</tr>
<tr>
<td>HRMK 514</td>
<td>Workforce Plan. &amp; Employment</td>
<td>3</td>
</tr>
<tr>
<td>HRMK 516</td>
<td>Compensation Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 15

### Information Systems

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISK 507</td>
<td>Sys Analysis for Managers</td>
<td>3</td>
</tr>
<tr>
<td>CISK 504</td>
<td>Telecommunications for Manager</td>
<td>3</td>
</tr>
<tr>
<td>CISK 516</td>
<td>Applied Database Management</td>
<td>3</td>
</tr>
<tr>
<td>Graduate Level Computer Information System Elective</td>
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Total Semester Credit Hours: 12

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule ([https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dym_sched](https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dym_sched)).

### Required Courses

**ACCK 503. Accounting and Management. 3 Semester Credit Hours.**

A study of accounting as related to problems of making business and economic decisions. Includes both financial and managerial accounting. Readings, problems, and cases requiring the use of accounting data. MS-ACC majors may not take this course for credit. Prerequisite(s): Required accounting leveling or instructor approval.

**CISK 511. Managing Information Systems. 3 Semester Credit Hours.**

Studies 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. Examines information systems management, intellectual property, privacy, organizational and societal impact, legal issues, ethics, security issues, decision making, strategic information systems, and organizational support systems.

**FINK 507. Financial Management. 3 Semester Credit Hours.**

Course focuses on financial decision making in the modern corporation. Basic issues include capital budgeting, capital structure, corporate sources of funding, dividend policy, and financial risk management, standard theories of risk and return, and valuation of assets. Prerequisite(s): FINK 500 or approval of instructor.

**G BK 510. Business Research Methods. 3 Semester Credit Hours.**

Nature, scope, and significance of business research and research methodology; primary research methods with applications to specific problems, place of quantitative methods in research and individual investigation and report on current problems in student's field of interest. Prerequisite(s): G BK 500 or approved leveling in statistics.
G BK 588. Seminar in Business Strategy. 3 Semester Credit Hours.
An integrated view of the business functions addressed in the MBA core curriculum. Applies case analysis methodology for evaluating complex business situations, developing strategic alternatives, and recommending effective solutions. Prerequisite(s): ACCK 503, FINK 507, G BK 510, MGTK 501, & MKTK 508. 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.

MKTG 508. Marketing Management. 3 Semester Credit Hours.
Study of the planning and coordination of marketing functions specifically related to product, pricing, promotion, and distribution strategies. Includes case analysis and presentation of results. Prerequisite(s): MGTK 500 or approval of Department Chair.

MGTK 501. Organizational Behavior. 3 Semester Credit Hours.
Behavioral theory in organizational context. A study of individual and group dynamics in the business environment. Specific emphasis is given to leadership, motivation, communication, employee supervision, and morale. Prerequisite(s): Management leveling.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MS Management and Leadership

The primary mission of the Management and Leadership degree program is to develop the student’s critical thinking, problem solving, and lifelong 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 knowledge and skills that are applicable in business, the military, government organizations, and private non-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 course work 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>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>G BK 510</td>
<td>Business Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 501</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 507</td>
<td>Resp and Ethics of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 508</td>
<td>Analysis &amp; Design of Orgs</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 509</td>
<td>Seminar on Mgmt &amp; Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 510</td>
<td>Leadership Development</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 511</td>
<td>Managing Operations &amp; Service</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 515</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 520</td>
<td>Negotiations</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 568</td>
<td>Org Development and Change</td>
<td>3</td>
</tr>
<tr>
<td>MGTK 577</td>
<td>Comprehensive Exam</td>
<td>0</td>
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</tbody>
</table>

Approved Electives

Approved graduate level electives 6

Total Semester Credit Hours 36

For additional information about the MS in Management and Leadership see the departmental website at http://www.tamuct.edu/departments/management/index.php.

Required Courses

G BK 510. Business Research Methods. 3 Semester Credit Hours.
Nature, scope, and significance of business research and research methodology; primary research methods with applications to specific problems, place of quantitative methods in research and individual investigation and report on current problems in student’s field of interest.
Prerequisite(s): G BK 500 or approved leveling in statistics.

MGTK 501. Organizational Behavior. 3 Semester Credit Hours.
Behavioral theory in organizational context. A study of individual and group dynamics in the business environment. Specific emphasis is given to leadership, motivation, communication, employee supervision, and morale. Prerequisite(s): Management leveling.

MGTK 507. Resp and Ethics of Leadership. 3 Semester Credit Hours.
An examination of an organization’s social and environmental responsibilities to its employees, customers, and other key stakeholder groups. Practical emphasis is given to the case study method for evaluating the performance of various organizations. Establishes 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.

MGTK 508. Analysis & Design of Orgs. 3 Semester Credit Hours.
Examines theories, processes and “fit” models of organization design. Emphasizes alignment of structure, technology, information systems, reward systems, people and culture, and management processes with organizational goals. Compares and contrasts the flexible, adaptive learning organization with the traditional centralized, standardized, and formalized organization. Prerequisite(s): MGTK 501.

MGTK 509. Seminar on Mgmt & Leadership. 3 Semester Credit Hours.
Examines and explores the distinctions between management and leadership. Emphasis is on the case study method for examining the applications of leadership principles and theoretical models to varied organizational situations. This course focuses on developing leaders who can effectively deal with the rapidly changing leadership challenges that modern organizations face. 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): MGTK 501, MGTK 508, & MGTK 568 or instructor approval.

MGTK 511. Managing Operations & Service. 3 Semester Credit Hours.
A study of 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. Topics of contemporary relevance will be examined to include supply chain management, enterprise resource planning, time-based competition, and quality improvement. Prerequisite(s): Management and statistics leveling.

MGTK 510. Leadership Development. 3 Semester Credit Hours.
Leadership is explored through the process of developing oneself as a leader while developing followers. Emphasis is placed upon learning the skills necessary to lead through the ethical use of influence in order to achieve organizational strategic goals. Prerequisite(s): Management leveling.

MGTK 515. International Management. 3 Semester Credit Hours.
This course will focus on the cultural aspects of managing organizations. Research, synthesis, and presentation of current and seminal research on the subject of global business cultures and their management will be dominant components. Cross-cultural issues and their impact on leadership and organizational performance will also be addressed. Prerequisite(s): Management leveling.
MGTK 520. Negotiations. 3 Semester Credit Hours.
The course will cover such topics as distributive negotiation, integrative negotiation, biases and pitfalls in negotiation, building trust, developing a negotiation style, power, persuasion, ethics, creativity and problem solving. The course will be evenly split between theoretical lecture/discussion and practical application/skill development, including in-class role plays and practice “on the street.” A materials fee of $40 is required for needed course materials.

MGTK 568. Org Development and Change. 3 Semester Credit Hours.
Study, research and analysis of pro-active strategies for organizational change using the theories and techniques of applied behavioral science. Examines the 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. A complete, step-by-step, intervention strategy is developed during this course. Prerequisite(s): MGTK 501.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
## Health Administration Certification

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>HAMK 511</td>
<td>Health Admin. &amp; Strategy</td>
<td>3</td>
</tr>
<tr>
<td>HAMK 512</td>
<td>Health Eco, Fin and Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HAMK 513</td>
<td>Health Policy and Law</td>
<td>3</td>
</tr>
<tr>
<td>HAMK 514</td>
<td>Health Informatics and Trends</td>
<td>3</td>
</tr>
<tr>
<td>HAMK 515</td>
<td>Health Ethics and Residency</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours** 15

**HAMK 511. Health Admin. & Strategy. 3 Semester Credit Hours.**
This course provides the foundation for strategically leading the complex industry of health organizations. Theoretical frameworks and empirical analyses are used to emphasize the health services administrator's role in health care. The course demonstrates how health administrators help both the providers and recipients of health care. A focal point is to create a deep understanding of competitive advantage in the market and in government operations.

**HAMK 512. Health Eco, Fin and Accounting. 3 Semester Credit Hours.**
This course provides for the highest cognitive and affective understanding of applied health care, economics, finance and accounting in health services organization. Theoretical frameworks and empirical analyses will be used to emphasize organizational and provider services. These services will be assessed in relation to capacities and competencies within the health care industry and patient/client needs and wants.

**HAMK 513. Health Policy and Law. 3 Semester Credit Hours.**
Focuses on the current policy and future political ideology as both impact care in health organizations. A clinical framework is used to present issued and policy outcomes. It also examines the basic principles and practices of law affecting health facilities and medical practice, patient care and treatment, and medical and health employment.

**HAMK 514. Health Informatics and Trends. 3 Semester Credit Hours.**
This is a survey of the Management Information Systems (MIS) needs in health care organizations. An introduction is presented on the hardware, software, and human systems requirements for operational support. The course provides a foundation for those individuals who are interested in becoming certified as computer systems managers in health care organizations.

**HAMK 515. Health Ethics and Residency. 3 Semester Credit Hours.**
The historical, present and future ethical issues in health administration are examined. Specific domains covered and decision ethics, clinical ethics, business ethics, organizational ethics and social ethics.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
College of Education

Mission Statement

The mission of the College of Education is to provide students in professional education and other human services with a quality education through academic, cultural, and leadership experiences, and to provide leadership through scholarship and service to the extended community and profession. Programs in College of Education prepare students for challenging, gratifying, and socially significant careers in education, counseling, and psychology. In addition to its teaching function, the program has a strong service commitment to public schools and human service agencies.

Programs

The College of Education offers baccalaureate programs leading to Bachelor of Science degrees in Curriculum and Instruction and Psychology. The College of Education offers Master's degrees in Curriculum & Instruction (MEd); Educational Leadership (MEd); Counseling (MEd); Clinical Mental Health Counseling (MS); Marriage and Family Therapy (MS); Educational Psychology (MS); certification programs for teacher, principal, superintendent, reading specialist, and education diagnostician; and Specialist in School Psychology (SSP).

The College of Education's academic programs are organized into the following areas:

Department of Professional Curriculum and Instruction
- Curriculum & Instruction
- Educational Leadership

Department of Psychology and Counseling
- Psychology and Counseling

Degree programs offered include the following:
- Bachelor of Science in Interdisciplinary Studies with concentrations in:
  - All-Level Special Education w/ESL
  - EC – 6 Generalist w/ESL
  - EC – 6 Generalist Music Vocal
  - EC – 6 Generalist Music Instrumental
  - 4-8 English Language Arts/Reading/Social Studies with ESL
  - 4-8 Mathematics with ESL
- Bachelor of Science in Psychology
- Master of Science (MS) with majors in
  - Educational Psychology (Experimental Psychology)
  - Clinical Mental Health Counseling
  - Marriage and Family Therapy
- Master of Education (MEd) degree with majors in:
  - Curriculum & Instruction
  - Counseling (School Counselor)
  - Educational Leadership
- Specialist in School Psychology (SSP)

Several teaching supplemental and professional certificates are also offered in conjunction with different academic departments. Degrees which lead to certification of licensure may have requirements beyond the coursework listed in this catalog. Students must meet with a program advisor prior to initial registration, and are strongly urged to continue meeting regularly with their advisor thereafter.

Counseling Services
- Counseling Center
- Community Counseling and Family Therapy Center

The College of Education is home to the University’s Counseling Services. Counseling Services consists of The Community Counseling and Family Therapy Center (a graduate Counseling and Psychology practicum clinic offering personal counseling to the area community) and the Counseling Center (offering personal counseling and education to students and employees as well as consultation and training to staff).
Department of Curriculum And Instruction

Educational Administration Degree with Principal Certification and Superintendent Certification Programs

The Curriculum and Instruction offers degrees and certification programs designed to help students increase skills and in-depth knowledge required for broader educational leadership roles in schools and school districts. A Master of Education degree in Educational Leadership with a concentration in the principalship is available to those students interested in school leadership with the option of pursuing state principal certification. In addition, the department provides post-masters coursework in preparation for state Superintendent Certification. To obtain information about these programs, students should contact Educational Administration phone 254.519.5485. Information about educational leadership programs may also be obtained at: www.tamuct.edu/departments/educationleadership.

Basic Procedures

Graduate advisors assist new students. Graduate committee chairs, after appointed, also assist the students in developing degree plans and, along with the committee members, assume the responsibility for preparing the student for the comprehensive examinations.

To receive full admission to any degree program offered in the Curriculum and Instruction Department, an applicant must meet all standards established by the Office of Graduate Studies and all departmental 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 are 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 study. 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 Educational Administration Masters and Principal Certification Program

1. Students must complete all requirements for admission to Graduate Studies listed in the current University Catalog. Students seeking certification must apply to the program before beginning course work.

2. For admission to the educational administration master’s degree and principal certification program, a student will 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, course work, and degree requirements. The Application for Admission to the A&M-Central Texas School Leadership 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;

   c. Documentation of at least two (2) years of teaching experience.

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.

Admission to the Superintendent Certification Preparation Program

Degree and Certification Programs Requirements

The educational administration programs at Texas A&M University-Central Texas are designed to prepare effective education leaders. Requirements for the Master’s degree (30 semester hours), the Master’s degree/Principal’s Certificate (33 semester hours), and the post-masters Superintendent Certificate 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 MEd in Educational Administration/Principal Certification

1. Students must complete all requirements for admission to Graduate Studies listed in the current University catalog.

2. For admission to the Superintendent Certification Preparation Program, a student will 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 postmasters 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.

Following is the typical curriculum and sequence of coursework that is required for the 30-hour Master of Education (M.Ed.) degree in Educational Administration with a concentration in the principalship. If pursuing state principal certification, the student must also satisfactorily complete EDAK 599 Practicum for Principalship. A student who wishes to pursue state principal certification, the student must also satisfactorily complete EDAK 599 Practicum for Principalship. A student who wishes to complete this degree and qualify for the principal’s certificate should ask his/her academic advisor for information about additional requirements for the principal’s certificate.

**EDAK 500**  Found in Educ Leadership  3
**EDAK 501**  Research in Educ Leadership  3
**EDAK 545**  Ldrshp of Curriculum Systems  3
**EDAK 539**  Processes of Edu Leadership  3
**EDAK 509**  Legal Issues in School Ldrship  3
**EDAK 555**  Ldrship of Diverse Learn Comm  3
**EDAK 507**  Ldrshp of Human Resources  3
**EDAK 542**  Ldrshp of Campus Resources  3
**EDAK 560**  Educ Ldrship Applications  3
**EDAK 516**  Ldrship of Effect Instruct  3

1. **Comprehensive Examination**
   The following comprehensive examination procedures apply to the master's degree offered in the Educational Administration program. The faculty administer examinations three times per year. Examinees must have a degree plan on file and complete an application to be eligible to take the comprehensive exam. The examination takes place according to the following schedule.

<table>
<thead>
<tr>
<th>Test Date</th>
<th>Application Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Saturday in April</td>
<td>March 1</td>
</tr>
<tr>
<td>Second Saturday in July</td>
<td>June 1</td>
</tr>
<tr>
<td>Second Saturday in November</td>
<td>October 1</td>
</tr>
</tbody>
</table>

   Faculty do not administer the examination at any time other than the regularly scheduled dates without permission from the graduate advisor, the Dean of the College of Education, and the Director of Graduate Studies. Objective and essay sections comprise the comprehensive examinations. A student must receive a satisfactory grade on each section in order to successfully complete the comprehensive examination.

   **Examination Procedures:**
   - **Section One Focus** - This section consists of multiple-choice questions that address the content in the 10 courses that comprise the 30-hour MEd in Educational Administration with a concentration in the principalship. This section is designed to test a student’s knowledge and understanding of content and concepts in the field of study.
   - **Section Two Focus** - This section of the examination is designed to assess higher-order thinking skills. It consists of four essay questions. Each test is composed of one common question and one from each of the three committee members.
   - **Grading** - Section One is computer graded and a student is expected to satisfactorily answer a specific number of questions. Each comprehensive examination essay question is evaluated based upon the following points system:
     - 4 – Exceptional response well above expectations;
     - 3 – Average response consistent with expectations;
     - 2 – Weak response below expectations, but still passing;
     - 1 – Inadequate response, a failing performance; and
     - 0 – Response did not address the required task, a failing performance.

   A student must receive a minimum score of ‘two’ on three of the four essay questions in order to pass the essay portion of the master’s comprehensive examination. Oral examinations may be required of any candidate with a marginal performance on this section. If a test paper contains major grammar and/or composition errors, the student may be asked to repeat the examination.

   **Retake Policy** - If an examinee fails either section of the examination, he or she may retake the failed section(s) at the next regular administration date. No one may retake any section of the examination more than two times without authorization from the Dean of the College of Education and the Director of Graduate Studies.

   **2. Thesis Option**
   Students pursuing the M.Ed. in educational administration may choose the thesis option. Students selecting the thesis option do not take the masters comprehensive examination. The thesis option involves an original research project under the direction of a graduate faculty member. Preparation of a thesis occurs in addition to prescribed course work. The 36-hour degree program includes 24 hours from the educational administration course sequence, replacing EDAK 555 and EDAK 516 with 6 hours of EDAK 588. The student must enroll in EDAK 588 for two consecutive semesters and complete the thesis according to the standards and policies determined by the Department of Education Leadership and the Office of Graduate Studies.

   - MEd Curriculum & Instruction-Elementary Education (p. 217)
   - MEd Curriculum & Instruction-Elementary Education w/ Certificate (p. 218)
   - MEd Curriculum & Instruction-Reading Specialist (p. 220)
   - MEd Curriculum & Instruction-Secondary Education (p. 221)
   - MEd Curriculum & Instruction-Secondary Education w/ Certificate (p. 222)
   - MEd Curriculum & Instruction-Special Education (p. 223)
   - MEd Curriculum & Instruction-Special Education w/ Certificate (p. 224)
   - MEd Educational Leadership-Principal Certification (p. 226)
   - Superintendent Certification (p. 228)
MEd Curriculum & Instruction—Elementary Education

Required Core Courses

EDUK 500  Foundations and History of Education  3
EDUK 502  Cultural Div Schools & Comm  3
EDUK 538  Curr Design and Impl  3
EDUK 545  Advanced Instructional Strategies for Diverse Learners  3
EDUK 598  Techniques of Research  3
EDUK 588  Thesis (Option)  0-6
EDUK 577  Comprehensive Exam (Non-Thesis Option)  0

Concentration

EDTK 549  Educational Media and Tech  3
EDUK 550  Assessment Iss Educ Leaders  3
RDGK 574  Reading Res and Materials  3
RDGK 575  Reading Res and Assessment  3
EDUK 512  Sem In Lang and Soc Stu  3
or EDUK 522  Teach Math and Science  3

Total Semester Credit Hours  30-36

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php

Required Courses

EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.
This course examines the 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.

EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.
An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.
The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.
The derivation of appropriate methods and techniques from basic principles of learning. 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.

EDUK 598. Techniques of Research. 3 Semester Credit Hours.
Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

EDUK 588. 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): Completion of all other coursework required for the degree and consent of the major professor or approval of the department chair.

EDTK 549. Educational Media and Tech. 3 Semester Credit Hours.
This course provides an examination of the role of technology in school settings and an exploration of available technologies and the applications for instruction. Focus is on Web 2.0 applications for communication and collaboration that expand and extend learning environments.

EDUK 550. Assessment Iss Educ Leaders. 3 Semester Credit Hours.
The examination of assessment as a process with emphasis on assessment of student achievement and on data interpretation for the purpose of improving instruction.

RDGK 574. Reading Res and Materials. 3 Semester Credit Hours.
Surveys a variety of print and non-print materials including content-area textbooks, trade books, and computer software. Includes evaluation of materials and application of reading principles to instruction in content areas. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

RDGK 575. Reading Res and Assessment. 3 Semester Credit Hours.
Examines methods and techniques employed in reading research and assessment. Includes a review of research and the development, implementation, and dissemination of classroom research. Explores the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Includes clinical practice. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

EDUK 512. Sem In Lang and Soc Stu. 3 Semester Credit Hours.
An integrated approach to teaching Social Studies through the application of the writing process, reading/writing connections, and children's literature. Prerequisite(s): 18 hours of professional education coursework.

RDGK 575. Reading Res and Assessment. 3 Semester Credit Hours.
Examines methods and techniques employed in reading research and assessment. Includes a review of research and the development, implementation, and dissemination of classroom research. Explores the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Includes clinical practice. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

EDUK 522. Teach Math and Science. 3 Semester Credit Hours.
An advanced study of 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
**MEd Curriculum & Instruction-Elementary Education w/ Certificate**

### Program Requirements

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<tr>
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<td>Cultural Div Schools &amp; Comm</td>
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<td>Curr Design and Impl</td>
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<td>RDGK 570</td>
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<td>EDUK 599</td>
<td>Internship in Teaching</td>
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Total Semester Credit Hours: 36

### Required Courses

**EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.**

This course examines the 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.

**EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.**

An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

**EDUK 511. Methods of Effective Teaching. 3 Semester Credit Hours.**

A study of the research on effective teaching practices with an emphasis on direct instruction. Additional topics of study include mastery learning, assessment of learning, and use of assessment to guide instruction. Students will apply technology and effective teaching practices to the design and delivery of instruction. Technology lab is required.

**EDUK 512. Sem In Lang and Soc Stu. 3 Semester Credit Hours.**

An integrated approach to teaching 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.

**EDUK 514. Creating and Managing Lear Env. 3 Semester Credit Hours.**

A study of the research on creating and maintaining a positive learning environment. Additional topics for study include: cultural dimensions of classroom management; motivating student achievement; fostering cooperation among students; reinforcing appropriate behavior; ethics and law governing teacher-student relations. Students will apply teaching and classroom management practices in a clinical laboratory setting.

**EDUK 522. Teach Math and Science. 3 Semester Credit Hours.**

An advanced study of 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.

**EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.**

The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

**EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.**

The derivation of appropriate methods and techniques from basic principles of learning. 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.

**EDUK 598. Techniques of Research. 3 Semester Credit Hours.**

Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

**EDUK 599. Internship in Teaching. 3 Semester Credit Hours.**

A supervised field-based experience in classroom teaching. 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; Second semester. Prerequisite(s): EDUK 599.

**ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours.**

A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program at TAMUCT.

**RDGK 570. Literacy Development. 3 Semester Credit Hours.**

Models of the reading and writing processes. Includes characteristics of emergent, early, transitional and fluent literacy; instructional strategies in reading and writing; phonics instruction and strategies for teaching English language learners; the essential knowledge and skills in the language arts curriculum. Prerequisite(s): admission to the teacher certification program.

For a complete list of all courses go to the Course Information (p. 241) page.
To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MEd Curriculum & Instruction-Reading Specialist

Required Core Courses

EDUK 500 Foundations and History of Education 3 Semester Credit Hours.
This course examines the 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.

EDUK 502 Cultural Div Schools & Comm. 3 Semester Credit Hours.
An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

EDUK 538 Curr Design and Impl. 3 Semester Credit Hours.
The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

EDUK 598 Techniques of Research. 3 Semester Credit Hours.
Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

EDUK 577 Comprehensive Exam 0 Semester Credit Hours.

Concentration

EDTK 549 Educational Media and Tech 3 Semester Credit Hours.

EDUK 550 Assessment Iss Educ Leaders 3 Semester Credit Hours.

ENGK 521 Psycholinguistics 3 Semester Credit Hours.

RDGK 573 Foundations of Reading 3 Semester Credit Hours.

RDGK 574 Reading Res and Materials 3 Semester Credit Hours.

RDGK 575 Reading Res and Assessment 3 Semester Credit Hours.

RDGK 576 Org and Adm Reading Prog 3 Semester Credit Hours.

RDGK 580 Practicum in Reading 3 Semester Credit Hours.

Total Semester Credit Hours 36

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php.

Required Courses

EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.
This course examines the 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.

EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.
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Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

EDTK 549. Educational Media and Tech. 3 Semester Credit Hours.
This course provides an examination of the role of technology in school settings and an exploration of available technologies and the applications for instruction. Focus is on Web 2.0 applications for communication and collaboration that expand and extend learning environments.

EDUK 550. Assessment Iss Educ Leaders. 3 Semester Credit Hours.
The examination of assessment as a process with emphasis on assessment of student achievement and on data interpretation for the purpose of improving instruction.

ENGK 521. 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.

RDGK 573. Foundations of Reading. 3 Semester Credit Hours.
Examines theoretical models of the reading process, historical perspectives on reading instruction, and language learning. Develops an understanding of the construction of reading theory and its relationship to instructional practices. Prerequisite(s): Elementary, secondary, or all-level certification or approval of the department chair.

RDGK 574. Reading Res and Materials. 3 Semester Credit Hours.
Surveys a variety of print and non-print materials including content-area textbooks, trade books, and computer software. Includes evaluation of materials and application of reading principles to instruction in content areas. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

RDGK 575. Reading Res and Assessment. 3 Semester Credit Hours.
Examines methods and techniques employed in reading research and assessment. Includes a review of research and the development, implementation, and dissemination of classroom research. Explores the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Includes clinical practice. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

RDGK 576. Org and Adm Reading Prog. 3 Semester Credit Hours.
Surveys state laws, trends and issues related to the administration of reading programs. Examines instructional issues and reading programs for pre-K through adult learners. Includes censorship issues, textbook/test adoption procedures, roles and responsibilities in the reading program, staff development, and change strategies. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

RDGK 580. Practicum in Reading. 3 Semester Credit Hours.
The Reading Specialist Practicum provides candidates with an opportunity to 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): RDGK 573, RDGK 574, RDGK 575, RDGK 576, ENGK 521; two years of creditable classroom teaching experience.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
**MEd Curriculum & Instruction—Secondary Education**

**Required Core Courses**

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**Concentration**

Graduate content area courses 18

Total Semester Credit Hours 30-36

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php

**Required Courses**

**EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.**

This course examines the 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.

**EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.**

An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

**EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.**

The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

**EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.**

The derivation of appropriate methods and techniques from basic principles of learning. 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.

**EDUK 598. Techniques of Research. 3 Semester Credit Hours.**

Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

**EDUK 588. 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): Completion of all other coursework required for the degree and consent of the major professor or approval of the department chair.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MEd Curriculum & Instruction-Secondary Education w/ Certificate

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**Total Semester Credit Hours: 36**

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php

**Required Courses**

**EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.**
The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

**EDUK 598. Techniques of Research. 3 Semester Credit Hours.**
Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

**EDUK 511. Methods of Effective Teaching. 3 Semester Credit Hours.**
A study of the research on effective teaching practices with an emphasis on direct instruction. Additional topics of study include mastery learning, assessment of learning and use of assessment to guide instruction. Students will apply technology and effective teaching practices to the design and delivery of instruction. Technology lab is required.

**ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours.**
A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program at.

**EDUK 514. Creating and Managing Lear Env. 3 Semester Credit Hours.**
A study of the research on creating and maintaining a positive learning environment. Additional topics for study include: cultural dimensions of classroom management; motivating student achievement; fostering cooperation among students; reinforcing appropriate behavior; ethics and law governing teacher-student relations. Students will apply teaching and classroom management practices in a clinical laboratory setting.

**RDGK 570. Literacy Development. 3 Semester Credit Hours.**
Models of the reading and writing processes. Includes characteristics of emergent, early, transitional and fluent literacy; instructional strategies in reading and writing; phonics instruction and strategies for teaching English language learners; the essential knowledge and skills in the language arts curriculum. Prerequisite(s): admission to the teacher certification program.

**EDUK 599. Internship in Teaching. 3 Semester Credit Hours.**
A supervised field-based experience in classroom teaching. 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; satisfactory performance in the professional development courses preceding the internship. May be repeated for credit. Field experience fee $75.

**EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.**
The derivation of appropriate methods and techniques from basic principles of learning. 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
**MEd Curriculum & Instruction-Special Education**

**Required Core Courses**

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<td>ESPK 513</td>
<td>Adv Study Learn Disabilities</td>
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Total Semester Credit Hours 30-36

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php

**Required Courses**

**EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.**

This course examines the 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.

**EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.**

An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

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The derivation of appropriate methods and techniques from basic principles of learning. 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.

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Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

**EDUK 588. 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): Completion of all other coursework required for the degree and consent of the major professor or approval of the department chair.

**ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours.**

A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program.

**ESPK 511. Beh Mgmt in Spec Educ Environm. 3 Semester Credit Hours.**

Characteristics of students with emotional disabilities, including the application of behavioral management strategies appropriate for students with emotional and behavioral disabilities. Course content includes: functional assessment of behavior; development of behavior intervention plans; strategies for teaching appropriate behavior; crisis management strategies; integrating behavior management with instructional programs in school, community and home settings. Prerequisite(s): Admission to the graduate teacher certification program.

**ESPK 513. Adv Study Learn Disabilities. 3 Semester Credit Hours.**

A study of the research on learning disabilities, including causation, diagnosis and educational programming. Course content includes: methods for teaching students with learning disabilities; adapting general education classrooms to accommodate the inclusion of students with learning disabilities; collaboration with parents, paraprofessionals and general education teachers. Students will conduct a case study. Prerequisite(s): Admission to the graduate teacher certification program.

**ESPK 515. Adv Study Develop Disabilities. 3 Semester Credit Hours.**

A study of research-based instructional methods appropriate for students with developmental disabilities. Course content includes: the 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; vocational planning and preparation. Prerequisite(s): Admission to the graduate teacher certification program.

**RDGK 575. Reading Res and Assessment. 3 Semester Credit Hours.**

Examines methods and techniques employed in reading research and assessment. Includes a review of research and the development, implementation, and dissemination of classroom research. Explores the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Includes clinical practice. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MEd Curriculum & Instruction-Special Education w/ Certificate

Required Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUK 500</td>
<td>Foundations and History of Education</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 511</td>
<td>Beh Mgmt in Spec Educ Environm</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 513</td>
<td>Adv Study Learn Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 515</td>
<td>Adv Study Develop Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 596</td>
<td>Internship II</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 598</td>
<td>Techniques of Research</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 577</td>
<td>Comprehensive Exam</td>
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Concentration

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUK 511</td>
<td>Methods of Effective Teaching</td>
<td>3</td>
</tr>
<tr>
<td>ESPK 505</td>
<td>Introduction to Exceptional Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 514</td>
<td>Creating and Managing Lear Env</td>
<td>3</td>
</tr>
<tr>
<td>RDGK 570</td>
<td>Literacy Development</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 599</td>
<td>Internship in Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDUK 545</td>
<td>Advanced Instructional Strategies for Diverse Learners</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 36

For more detailed information about the MEd in Curriculum and Instruction see the departmental website at http://www.tamuct.edu/departments/curriculum/index.php

Required Courses

ESPK 511. Beh Mgmt in Spec Educ Environm. 3 Semester Credit Hours. Characteristics of students with emotional disabilities, including the application of behavioral management strategies appropriate for students with emotional and behavioral disabilities. Course content includes: functional assessment of behavior; development of behavior intervention plans; strategies for teaching appropriate behavior; crisis management strategies; integrating behavior management with instructional programs in school, community and home settings. Prerequisite(s): Admission to the graduate teacher certification program.

ESPK 513. Adv Study Learn Disabilities. 3 Semester Credit Hours. A study of the research on learning disabilities, including causation, diagnosis and educational programming. Course content includes: methods for teaching students with learning disabilities; adapting general education classrooms to accommodate the inclusion of students with learning disabilities; collaboration with parents, paraprofessionals and general education teachers. Students will conduct a case study. Prerequisite(s): Admission to the graduate teacher certification program.

ESPK 515. Adv Study Develop Disabilities. 3 Semester Credit Hours. A study of research-based instructional methods appropriate for students with developmental disabilities. Course content includes: the 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; vocational planning and preparation. Prerequisite(s): Admission to the graduate teacher certification program.

EDUK 500. Foundations and History of Education. 3 Semester Credit Hours. This course examines the 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.

EDUK 596. Internship II. 3 Semester Credit Hours. A supervised field-based experience in classroom teaching. 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; Second semester. Prerequisite(s): EDUK 599.

EDUK 598. Techniques of Research. 3 Semester Credit Hours. Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

EDUK 501. Readings in Prof Development. 3 Semester Credit Hours. An examination of current issues in the professional development of educators. Topics include 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.

EDUK 511. Methods of Effective Teaching. 3 Semester Credit Hours. A study of the research on effective teaching practices with an emphasis on direct instruction. Additional topics of study include mastery learning, assessment of learning and use of assessment to guide instruction. Students will apply technology and effective teaching practices to the design and delivery of instruction. Technology lab is required.

ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours. A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program at.

EDUK 514. Creating and Managing Lear Env. 3 Semester Credit Hours. A study of the research on creating and maintaining a positive learning environment. Additional topics for study include: cultural dimensions of classroom management; motivating student achievement; fostering cooperation among students; reinforcing appropriate behavior; ethics and law governing teacher-student relations. Students will apply teaching and classroom management practices in a clinical laboratory setting.

RDGK 570. Literacy Development. 3 Semester Credit Hours. Models of the reading and writing processes. Includes characteristics of emergent, early, transitional and fluent literacy; instructional strategies in reading and writing; phonics instruction and strategies for teaching English language learners; the essential knowledge and skills in the language arts curriculum. Prerequisite(s): admission to the teacher certification program.
EDUK 599. Internship in Teaching. 3 Semester Credit Hours.
A supervised field-based experience in classroom teaching. 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; satisfactory performance in the professional development courses preceding the internship. May be repeated for credit. Field experience fee $75.

EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.
The derivation of appropriate methods and techniques from basic principles of learning. 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MEd Educational Leadership-Principal Certification

Required Courses for MEd

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDAK 500</td>
<td>Found in Educ Leadership</td>
<td>3</td>
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<tr>
<td>EDAK 501</td>
<td>Research in Educ Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 539</td>
<td>Processes of Edu Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 545</td>
<td>Ldrshp of Curriculum Systems</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 555</td>
<td>Ldrshp of Diverse Learn Comm</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 509</td>
<td>Legal Issues in School Ldship</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 507</td>
<td>Ldshp of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 542</td>
<td>Ldrshp of Campus Resources</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 516</td>
<td>Ldrshp of Effect Instruct</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 560</td>
<td>Educ Ldrship Applications</td>
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</tr>
<tr>
<td>EDAK 577</td>
<td>Comprehensive Exam</td>
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Additional Requirement for Principal Certification

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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDAK 599</td>
<td>Practicum for Principalship</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 590</td>
<td>Selected Topics In Edu Adm (optional)</td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 30-33

Required Courses

EDAK 500. Found in Educ Leadership. 3 Semester Credit Hours.
The study of the foundations of educational leadership. Lenses of power, influence, ethics, and leadership theory are utilized to compare personal diagnoses of leadership, learning, and personality strengths to the knowledge and skill set needed for leadership of prek-12 schools. An initial assessment of knowledge and skill and development of a professional growth plan are included. Prerequisite(s): MEd/Principal Certificate program admission or department chair approval.

EDAK 501. Research in Educ Leadership. 3 Semester Credit Hours.
The study of the fundamentals of research with emphasis on research terminology, design, methodology, data collection, ethics, psychometric measurement qualities, and quantitative and qualitative research paradigms. The focus is on development of 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 department chair approval.

EDAK 539. Processes of Edu Leadership. 3 Semester Credit Hours.
The study of effective organizational processes in prek-12 schools. Learning organization strategies, exemplary leadership practices, and collaborative action tools are emphasized to support the development of a flexible and creative culture continuously engaged in the systemic work of school improvement. Prerequisite(s): EDAK 500 & 501 or department chair approval.

EDAK 545. Ldrshp of Curriculum Systems. 3 Semester Credit Hours.
The study of curriculum systems in prek-12 schools. The creation, alignment, integration, implementation, and evaluation of curriculum provide the focus for curriculum leadership and decision making that link student developmental needs with high levels of learning and support teachers in the curriculum implementation process. Prerequisite(s): EDAK 500 & 501 or department chair approval.

EDAK 505. Ldrship of Diverse Learn Comm. 3 Semester Credit Hours.
The study of diverse prek-12 school communities with an emphasis on ethical issues dealing with leadership, governance, and policy development. Processes for identifying and ameliorating issues associated with demographic and cultural differences are utilized to facilitate internal and external community engagement focused on equity and excellence. Prerequisite(s): EDAK 500, 501, 539, & 545 or department chair approval.

EDAK 509. Legal Issues in School Ldship. 3 Semester Credit Hours.
The study of legal issues impacting the administration of prek-12 schools. The ethical application of legal principles found in relevant constitutional, statutory, administrative, and case law is used to determine operation, organization, and administration of prek-12 schools. Special emphasis is placed on the relationship of state and federal law. Prerequisite(s): EDAK 500, 501, 516, 539, 545, & 555 or department chair approval.

EDAK 507. Ldshp of Human Resources. 3 Semester Credit Hours.
The study of programs and procedures in supervision and evaluation of faculty and staff in prek-12 schools. Effective supervisory and evaluation approaches provide the focus 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): EDAK 500, 501, 516, 539, 545, 555, & AEL certification or department chair approval.

EDAK 542. Ldrshp of Campus Resources. 3 Semester Credit Hours.
The study of school resources in support of school improvement. An integrated continuous improvement process supported by optimal allocation of financial, human, technological, facility, time, and other campus resources provides the focus for development of a safe and engaging school learning environment. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 545, & 555 or department chair approval.

EDAK 516. Ldrshp of Effect Instruct. 3 Semester Credit Hours.
The study of instructional practice in prek-12 schools. The use of data analysis, learning strategies, special programs support, technology integration, and coaching protocols are emphasized in a continuous improvement cycle that ensures equity for and engagement of all students in high levels of authentic learning. Advancing Educational Leadership (AEL), a state-required teacher appraiser certification course, is included. $75 AEL certificate fee. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 545, & 545 or department chair approval.

EDAK 560. Educ Ldrship Applications. 3 Semester Credit Hours.
The capstone study of the application of leadership theory to campus leadership practice. Critical issues in school leadership are analyzed through culminating experiences focused on the integration of the roles of the principal. Master’s degree comprehensive exam preparation and Principal Practicum planning are included. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 545, & 555 or department chair approval.
EDAK 599. Practicum for Principalship. 3 Semester Credit Hours.
Demonstration of competence in performance of professional duties through supervised activities in the culminating experience for the MEd/Principal Certificate program upon approval of program coordinator. Guided by principal mentors and university field supervisors, participants execute a custom action plan for professional growth and school improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, typically one-semester course may be repeated one time unless the student is meeting probationary principal certification requirements. Only 3 semester hours of practicum coursework can be used to satisfy certification plan requirements. $75 Field Assignment Fee. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 542, 545, 555, 560, and MEd in Educational Leadership department chair approval.

EDAK 590. Selected Topics In Edu Adm. 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.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Superintendent Certification

Additional Requirements for Superintendent Certification

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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDAK 517</td>
<td>Pub Sch Fin Fiscal Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 518</td>
<td>Adm Law &amp; Personnel Adm</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 519</td>
<td>The Sch Superintendency</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 535</td>
<td>Edu Plan and Res Dev</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 536</td>
<td>Inst Dev and Sch Imp</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 597</td>
<td>Pract for the Superintendency</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 18

For more detailed information about the MEd in Educational Administration see the departmental website at http://www.tamuct.edu/departments/educationleadership/index.php

Certificate Courses

EDAK 517. Pub Sch Fin Fiscal Mgmt. 3 Semester Credit Hours.
A study of 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 and litigation, budget development, and fiscal policy and accountability. Prerequisite(s): EDAK 518 and EDAK 536 or department chair approval.

EDAK 518. Adm Law & Personnel Adm. 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 department chair approval.

EDAK 519. The Sch Superintendency. 3 Semester Credit Hours.
A detailed study of 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): EDAK 518 and EDAK 536 or department chair approval.

EDAK 535. Edu Plan and Res Dev. 3 Semester Credit Hours.
The study of strategic planning and the use of district’s major administrative systems and resources – transportation, distribution and food service systems, energy management, health services, security/risk management, and building and equipment needs and operations – to fulfill organizational goals. A sustainable leadership succession process is developed. Prerequisite(s): EDAK 517, EDAK 518, EDAK 519, EDAK 538 or approval of Department Chair.

EDAK 536. Inst Dev and Sch Imp. 3 Semester Credit Hours.
A study of research and state policy affecting instructional improvement on public school campuses. Special emphasis is placed on results-based accountability systems including 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 department chair approval.

EDAK 597. Pract for the Superintendency. 3 Semester Credit Hours.
Demonstration of competence in performance of professional duties through supervised activities in the culminating experience for the MEd/Principal Certificate Superintendent Certificate Program. Guided by superintendent mentors and university field supervisors, participants execute a custom action plan for professional growth and school district improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, the typically one-semester course may be repeated one time. Only 3 semester hours of practicum coursework can be used to satisfy certification plan requirements. Field experience fee $75. Prerequisite(s): EDAK 517, EDAK 518, EDAK 519, EDAK 538 or approval of the program coordinator.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
Department of Psychology and Counseling

- MEd Counseling-School Counselor Option (p. 230)
- MS Educational Psychology-Experimental Psychology (p. 234)
- MS Marriage and Family Therapy (p. 235)
- MS Mental Health Counseling (p. 232)
- SSP School Psychology (p. 237)
- School Counselor Certification (p. 239)
# MEd Counseling-School Counselor Option

## Required Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CNSK 552</td>
<td>Seminar in Sch Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 591</td>
<td>Ethical Foundation of Counsel</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 595</td>
<td>Practicum In Counseling I</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 596</td>
<td>Practicum in Cnsl II</td>
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</tr>
<tr>
<td>CPSK 550</td>
<td>Found of Counseling &amp; Psych</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 551</td>
<td>Career Counseling and Guidance</td>
<td>3</td>
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<tr>
<td>CPSK 553</td>
<td>Per &amp; Counseling Theory &amp; Appl</td>
<td>3</td>
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<tr>
<td>CPSK 554</td>
<td>Group Procedure for Counselors</td>
<td>3</td>
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<tr>
<td>CPSK 556</td>
<td>Intro Family Cnsl And Therapy</td>
<td>3</td>
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<tr>
<td>CPSK 557</td>
<td>Methods &amp; Prac in Cnsl and Psy</td>
<td>3</td>
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<tr>
<td>PSYK 504</td>
<td>Human Development</td>
<td>3</td>
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<tr>
<td>PSYK 581</td>
<td>Assessment and Evaluation Fund</td>
<td>3</td>
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<tr>
<td>PSYK 511</td>
<td>Culture, Minority, Gender Iss</td>
<td>3</td>
</tr>
<tr>
<td>or EDUK 502</td>
<td>Cultural Div Schools &amp; Comm</td>
<td></td>
</tr>
<tr>
<td>EDUK 598</td>
<td>Techniques of Research</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 577</td>
<td>Comprehensive Exam</td>
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</tr>
</tbody>
</table>

## Approved Electives

- Graduate level Counseling, Counseling Psychology or Psychology electives 6

Total Semester Credit Hours 48

## Required Courses

**CNSK 552. Seminar in Sch Counseling. 3 Semester Credit Hours.**
An in-depth study of a comprehensive school counseling and guidance program. The course will address the 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.

**CNSK 591. Ethical Foundation of Counsel. 3 Semester Credit Hours.**
An exploration of the ethical principles of counselors and related codes of ethics. Covers models for ethical decision making and how to apply to counseling practice.

**CNSK 595. Practicum In Counseling I. 3 Semester Credit Hours.**
Supervised professional activities in guidance and counseling. Major emphasis is placed on the student’s involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement. Lab experiences are included. Prerequisite(s): CNSK 552 Field experience fee $75.

**CNSK 596. Practicum in Cnsl II. 3 Semester Credit Hours.**
Continued supervised experience of professional activities in counseling and guidance 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. Covers related ethical concerns. Prerequisite(s): CNSK 595 and the application for internship. Field experience fee $75.

**CPSK 550. Found of Counseling & Psych. 3 Semester Credit Hours.**
Overview of counseling and psychology services commonly found in a variety of settings. Includes individual and group counseling, testing, career planning and placement, referral, and consultation. Examines related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues. Prerequisite(s): Graduate Record Examination and application to the program by specified deadlines.

**CPSK 551. Career Counseling and Guidance. 3 Semester Credit Hours.**
An in-depth study of career counseling and guidance services that focuses on occupational, educational, and personal/social issues for general and special populations. Includes examination of theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities. Covers related ethical concerns. Students will be required to purchase occupational and educational information materials. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 553. Per & Counseling Theory & Appl. 3 Semester Credit Hours.**
Surveys and investigates personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations. Includes role plays and other experiential methods. Videotaped counseling sessions are critiqued. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 554. Group Procedure for Counselors. 3 Semester Credit Hours.**
An introduction to group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, and special populations. Supervised experience in group memberships is included. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 555. Career Counseling and Guidance. 3 Semester Credit Hours.**
Familiarizes the student with family systems theory as applied to the study of family dynamics, family development, and the resolution of both family and ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 556. Intro Family Cnsl And Therapy. 3 Semester Credit Hours.**
The course is designed to introduce Counseling and Psychology pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): CPSK 550 or PSYK 560 or approval of department chair.

**PSYK 504. Human Development. 3 Semester Credit Hours.**
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

**PSYK 581. Assessment and Evaluation Fund. 3 Semester Credit Hours.**
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.
PSYK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.
Study of 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.

EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.
An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

EDUK 598. Techniques of Research. 3 Semester Credit Hours.
Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MS Clinical Mental Health Counseling

Required Courses

<table>
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<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHCK 500</td>
<td>Behavioral Statistics</td>
<td>3</td>
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<tr>
<td>MHCK 501</td>
<td>Research Methods</td>
<td>3</td>
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<tr>
<td>MHCK 504</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>MHCK 505</td>
<td>Practicum I: Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>MHCK 511</td>
<td>Culture, Minority, Gender Iss</td>
<td>3</td>
</tr>
<tr>
<td>MHCK 513</td>
<td>Crisis Intervent &amp; Manage Indv</td>
<td>3</td>
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<tr>
<td>MHCK 550</td>
<td>Foundations of Counseling</td>
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<td>MHCK 551</td>
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<td>MHCK 554</td>
<td>Group Procedure for Counselors</td>
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<td>MHCK 556</td>
<td>Introduction to Family Counsel</td>
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<td>MHCK 557</td>
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<td>Counsel Persp on Psycho</td>
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<td>MHCK 581</td>
<td>Assess &amp; Eval fundamentals</td>
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<td>MHCK 583</td>
<td>Consultation and Supervision</td>
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Elective

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<td>Human Development</td>
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<td>Practicum I: Field Experience</td>
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<td>MHCK 511</td>
<td>Culture, Minority, Gender Iss</td>
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<td>MHCK 513</td>
<td>Crisis Intervent &amp; Manage Indv</td>
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Total Semester Credit Hours 60

MHCK 500. Behavioral Statistics. 3 Semester Credit Hours.
Review of descriptive statistics with emphasis on inferential statistics. Includes correlation, one-way and two-way analysis of variance, regression analysis and experimental design. Use of computer software with emphasis on experience with SPSS.

MHCK 501. Research Methods. 3 Semester Credit Hours.
A study of the scientific method of research, types of research and research design. Students are required to review, analyze and interpret research finding in their major field and develop a research project with the assistance of their instructor. Prerequisite(s): MHCK 500 or equivalent graduate statistics course or approval of Department Chair.

MHCK 504. Human Development. 3 Semester Credit Hours.
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood. Covers related ethical concerns.

MHCK 505. Practicum I: Field Experience. 3 Semester Credit Hours.
Provides supervised experience in settings such as marriage and family, mental health and/or counseling and guidance placements in the Community Counseling and Family Therapy Center; as well as, other 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): MHCK 550, MHCK 553, MHCK 554, MHCK 557, MHCK 558, and MHCK 591 with a B or better in each course; and consent of the practicum/internship director. Field Experience fee $75.

MHCK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.
Study of 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. Covers related ethical concerns.

MHCK 513. Crisis Intervent & Manage Indv. 3 Semester Credit Hours.
Examination of the dynamics and treatment of situation crises in various settings. Theories and approaches to crisis intervention and management are described and discussed. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 550. Foundations of Counseling. 3 Semester Credit Hours.
Overview of counseling services commonly found in a variety of settings. Includes individual and group counseling, testing career planning and placement, referral, and consultation. Examines related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues.

MHCK 551. Career Counseling and Guidance. 3 Semester Credit Hours.
An in-depth study of career counseling and guidance services that focuses on occupational, educational, and personal/social issues for general and special populations. Includes examination of theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities. Covers related ethical concerns. Students will be required to purchase occupational and education information materials.

MHCK 553. Per & Counseling Theory & Appl. 3 Semester Credit Hours.
Surveys and investigates personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations. Includes role plays and other experiential methods. Covers related ethical concerns. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 554. Group Procedure for Counselors. 3 Semester Credit Hours.
An introduction to group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, and special populations. Supervised experience in group memberships is included. Covers related ethical concerns. Prerequisite(s): MHCK 550 and MHCK 557 or approval of Department Chair.

MHCK 556. Introduction to Family Counsel. 3 Semester Credit Hours.
Familiarizes the student with family systems theory as applied to the study of family dynamics, family development, and the resolution of both family and ethical concerns.

MHCK 557. Methods & Practices in Counsel. 3 Semester Credit Hours.
The course is designed to introduce Counseling pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 558. Counsel Persp on Psycho. 3 Semester Credit Hours.
An overview of 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 and treatment alternatives from a counseling perspective. Covers related ethical concerns. Prerequisite(s): MHCK 550 or approval of Department Chair.
MHCK 581. Assess & Eval Fundamentals. 3 Semester Credit Hours.
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): MHCK 500 or approval of Department Chair.

MHCK 583. Consultation and Supervision. 3 Semester Credit Hours.
Introduces the 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): MHCK 505, MHCK 550, and MHCK 553.

MHCK 591. Ethical Foundation of Counsel. 3 Semester Credit Hours.
An exploration of the ethical principles of counselors and related codes of ethics. Covers models for ethical decision making and how to apply to counseling practice. Prerequisite(s): MHCK 550.

MHCK 594. Substance Abuse. 3 Semester Credit Hours.
An introduction to addiction counseling. Special attention is given to models of addiction, chemical dependence, process addictions, and co-dependence. Covers related ethical concerns.

MHCK 595. Internship in Counseling. 3 Semester Credit Hours.
Supervised professional activities in counseling where students become familiar with a variety of professional activities and resources. Students are required to 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): MHTK 505 and approval of the Practicum/Internship Director. Field experience fee $75.

MHCK 596. Internship in Counseling II. 3 Semester Credit Hours.
Supervised professional activities in counseling and group counseling. Major emphasis is placed on the student's involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement. Students are required to complete 300 clock hours, of which at least 120 are direct client contact. Weekly supervision is provided by the on-site supervisor and the faculty supervisor. Prerequisite(s): MHCK 505. Field experience fee $75.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
**MS Educational Psychology - Experimental Psychology**

### Required Core Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>PSYK 500</td>
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<td>Research Methods</td>
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<tr>
<td>PSYK 581</td>
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### Educational Psychology Required Courses

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<td>PSYK 502</td>
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<td>PSYK 503</td>
<td>Theories Of Learning</td>
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<td>PSYK 515</td>
<td>Physiological Psychology</td>
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<td>PSYK 516</td>
<td>Adv Quant Mths &amp; Exper Design</td>
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<td>PSYK 520</td>
<td>History and Systems</td>
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<td>PSYK 577</td>
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**Total Semester Credit Hours** 36

### Required Courses

**PSYK 500. Behavioral Statistics. 3 Semester Credit Hours.**
Review of descriptive statistics with emphasis on inferential statistics. Includes 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.

**PSYK 501. Research Methods. 3 Semester Credit Hours.**
A study of the scientific method of research, types of research and research design. Students are required to review, analyze and interpret research findings in their major field and develop a research project with the assistance of their instructor. This course should be taken after the completion of 12 graduate semester hours. Prerequisite(s): PSYK 500 or equivalent graduate statistics course.

**PSYK 504. Human Development. 3 Semester Credit Hours.**
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory in physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

**PSYK 581. Assessment and Evaluation Fund. 3 Semester Credit Hours.**
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.

**PSYK 502. Social Psychological Processes. 3 Semester Credit Hours.**
An in-depth examination of the individual in a social and cultural context. Topics include: the behavior of groups, the roles of individuals within groups, and the influence of groups on an individual's perceptions, attitudes, emotions, and behavior. Major theories and supporting research are covered. Includes a selected emphasis on specific topics, with individual or team projects and/or original research.

**PSYK 503. Theories Of Learning. 3 Semester Credit Hours.**
Study of 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 approval of the department chair.

**PSYK 515. Physiological Psychology. 3 Semester Credit Hours.**
An examination of the biological basis of behavior with an emphasis on the structure and biochemistry of the human nervous system. Includes an exploration of the interactive relationships between biological processes, psychopharmacology, genetics, neurological disorders, normal growth and maturation, perception, memory, emotion, stress, mental disorders, consciousness, and communication. Contemporary theories and research are investigated and critiqued.

**PSYK 516. Adv Quant Mths & Exper Design. 3 Semester Credit Hours.**
This course provides an overview of advanced statistical techniques to analyze quantitative data resulting from experimental and quasi-experimental research designs. This course is a continuation of PSYK 500 and PSYK 501 and requires students to demonstrate proficiency in the use of SPSS for data analysis. The course reviews One-Way and Two-Factor ANOVA. Other topics include 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. The course emphasizes the integration of multivariate and advanced statistical design with applicable research paradigms. Prerequisite(s): PSYK 500 and PSYK 501.

**PSYK 520. History and Systems. 3 Semester Credit Hours.**
Historical analysis of the development of the science of psychology from early philosophical theories through the establishment of psychology as a science to modern theoretical positions.

**PSYK 521. Evolutionary Psychology. 3 Semester Credit Hours.**
In-depth evaluation of the current theories of adaptation with a large focus on how adaptation has influenced social, cognitive and developmental processes in humans. Evidence from cross-cultural studies as well as cross species studies will be reviewed and discussed.

**PSYK 588. Thesis. 1-6 Semester Credit Hours.**
An 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): PSYK 500 and PSYK 501 and successful completion of 12 additional credit hours in the degree plan and approval of the Chair of the thesis committee, or Department Chair approval.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
MS Marriage and Family Therapy

Required Courses

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<tr>
<th>Course</th>
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<td>MFTK 502</td>
<td>Adv Marriage&amp;Fam Ther Theory</td>
<td>3</td>
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<tr>
<td>MFTK 507</td>
<td>Ethics in MFT</td>
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<tr>
<td>MFTK 509</td>
<td>Assmnt\Treatmnt of Diverse Fam</td>
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<tr>
<td>MFTK 513</td>
<td>The Person of the Therapist-id</td>
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<td>Pre-Practicum</td>
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<td>MFTK 530</td>
<td>Clinical Practicum I</td>
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<td>MFTK 550</td>
<td>MFT Research Methods</td>
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<td>MFTK 551</td>
<td>Diverse Couples Asmt &amp; Treat</td>
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<td>MFTK 552</td>
<td>Gender &amp; Sexuality in MFT</td>
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<td>MFTK 553</td>
<td>Medical Family Therapy</td>
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<td>MFTK 554</td>
<td>Clinical Practicum II</td>
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<td>MFTK 556</td>
<td>Combat Related Trauma</td>
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<td>MFTK 559</td>
<td>Clinical Practicum III</td>
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<td>MFTK 560</td>
<td>Clinical Practicum IV</td>
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<td>or MFTK 557</td>
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<td>or MFTK 558</td>
<td>Group Process in MFT</td>
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<td>or MFTK 571</td>
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<td>or MFTK 582</td>
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<td>or MFTK 591</td>
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Total Semester Credit Hours 60

MFTK 501. Introduction of MFT Theory. 3 Semester Credit Hours.
An introduction to historical development, theoretical and empirical foundations of systems theory including a survey of the major models of marriage, couple and family therapy.

MFTK 502. Adv Marriage&Fam Ther Theory. 3 Semester Credit Hours.
An overview of the contemporary therapeutic directions in the field of marriage and family therapy. This course also includes an in-depth examination of the core competencies for marriage and family therapists.

MFTK 507. Ethics in MFT. 3 Semester Credit Hours.
Provides an overview of 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.

MFTK 509. Assmnt\Treatmnt of Diverse Fam. 3 Semester Credit Hours.
An overview of 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. Assessments will focus on the use of genograms and treatment will focus on effectively helping multi-stressed families.

MFTK 513. The Person of the Therapist-id. 3 Semester Credit Hours.
This course explores the identification and the development of the person of the therapist, which serves to hone the students' skills in the use of themselves in their therapy.

MFTK 520. Pre-Practicum. 3 Semester Credit Hours.
This course is oriented towards those students who are preparing for field placement. It is designed to provide interviewing and training skills in the Marriage and Family Therapy program. Marriage and Family Therapists in training are expected to gain an understanding of the role of the therapist, how clients change, and basic therapeutic strategies. Students will be exposed to basic skills and tools necessary to become competent clinicians. Role playing, videotapes, and use of the video camera will be utilized as part of the learning process. Also, a review of the on-campus clinic policies will be addressed. Prerequisite(s): MFTK 501. Field Experience Fee: $75.

MFTK 530. Clinical Practicum I. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision, as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour's requirement as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520. Field Experience Fee $75.

MFTK 550. MFT Research Methods. 3 Semester Credit Hours.
An overview of research methodology, data analysis and the evaluation of research in couple and family therapy. Course will address how research informs Marriage and Family Therapy common factors and evidence based practice.

MFTK 551. Diverse Couples Asmt & Treat. 3 Semester Credit Hours.
An overview of 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): MFTK 501.

MFTK 552. Gender & Sexuality in MFT. 3 Semester Credit Hours.
This course is divided into four learning modules. The first learning module will focus on male and female sexual anatomy. The next two modules will address male and female sexual problems and their treatment. The final module will focus on special issues to take into account in the practice of sex therapy, including cultural diversity, age, disability and illness, sexual abuse and rape.

MFTK 553. Medical Family Therapy. 3 Semester Credit Hours.
This course is designed to prepare marriage and family therapists to work in larger behavioral health systems in a collaborative manner addressing the unique psychosocial problems of individuals, couples, and families with acute and chronic medically related concerns. Additionally, this course reviews the principles of individual diagnosis of mental illness as defined in the DSM and the implications for systematically based treatment.
MFTK 554. Clinical Practicum II. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 550, Field Experience Fee $75.

MFTK 555. Treating Military Families. 3 Semester Credit Hours.
This course will explore the unique characteristics of military families and will provide an overview of assessment and treatment options for common clinical concerns presented by military families.

MFTK 556. Combat Related Trauma. 3 Semester Credit Hours.
This course will explore the unique characteristics and symptoms of grief, PTSD and combat related trauma. Additionally, this course will discuss systemic treatment options in order to help clients meet their treatment goals.

MFTK 557. Common Factors in MFT. 3 Semester Credit Hours.
Common factors, such as therapeutic relationship, client factors and hope/expectancy, will be explored and implications for clinical practice will be discussed.

MFTK 558. Group Process in MFT. 3 Semester Credit Hours.
This course involves the study of human relationships in groups, particularly in the group therapy context. The course explores-in theory and through class exercises-the application of various aspects of group dynamics including leadership, motivation, perception, power and decision making.

MFTK 559. Clinical Practicum III. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 550, Field Experience Fee $75.

MFTK 560. Clinical Practicum IV. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 5544, MFTK 559. Field Experience Fee $75.

MFTK 571. Advanced Couples Interventions. 3 Semester Credit Hours.
This course covers advanced skills and interventions in Gottman Method Couple Therapy and Emotion Focused Couple Therapy. Prerequisite(s): MFTK 501, MFTK 502, MFTK 551.

MFTK 572. Relationship Education. 3 Semester Credit Hours.
This course covers 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): MFTK 501, MFTK 502, MFTK 551.

MFTK 581. Adolescent in Family Therapy. 3 Semester Credit Hours.
This course will explore MFT theories in relation to treatment of various disorders and presenting concerning in adolescence. Relational, systemic, and contextual factors are considered in the treatment of adolescents. This course will also explore other behavioral health systems that treat adolescents. Prerequisite(s): MFTK 501, MFTK 502, PSYK 504.

MFTK 582. Delinquency and MFT. 3 Semester Credit Hours.
This course covers juvenile delinquency and adolescent substance use through systemic and contextual lens. MFT theories related to juvenile delinquency and adolescent substance use, are examined and compared. Prerequisite(s): MFTK 501, MFTK 502, PSYK 504, MFTK 581.

MFTK 591. Addiction in MFT. 3 Semester Credit Hours.
This course covers a systemic framework for understanding addictions and how they impact the family system. Prerequisite(s): MFTK 501, MFTK 502.

PSYK 500. Behavioral Statistics. 3 Semester Credit Hours.
Review of descriptive statistics with emphasis on inferential statistics. Includes 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.

PSYK 504. Human Development. 3 Semester Credit Hours.
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
SSP School Psychology

Required Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSK 553</td>
<td>Per &amp; Counseling Theory &amp; Appl</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 500</td>
<td>Behavioral Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 501</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 504</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 560</td>
<td>Found of School Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 581</td>
<td>Assessment and Evaluation Fund</td>
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</table>

Educational Psychology Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYK 502</td>
<td>Social Psychological Processes</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 503</td>
<td>Theories Of Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 505</td>
<td>Practicum I: Field Exp</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 511</td>
<td>Culture, Minority, Gender Iss</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 514</td>
<td>Assess Intell And Achievement</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 515</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 580</td>
<td>Personality Social Assess</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 582</td>
<td>Behavior Mgmt And Therapy</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 583</td>
<td>Consultation &amp; Supervision</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 595</td>
<td>Internship I</td>
<td>3</td>
</tr>
<tr>
<td>PSYK 596</td>
<td>Internship II</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 557</td>
<td>Methods &amp; Prac in Cnsi and Psy</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 558</td>
<td>Cnsi Persp on Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>or ESPK 505</td>
<td>Introduction to Exceptional Learners</td>
<td></td>
</tr>
<tr>
<td>EDUK 538</td>
<td>Curr Design and Impl</td>
<td>3</td>
</tr>
<tr>
<td>EDAK 510</td>
<td>Special Education Law</td>
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Optional Elective

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>PSYK 588</td>
<td>Thesis (option)</td>
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<tr>
<td>PSYK 577</td>
<td>Comprehensive Exam</td>
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</table>

Total Semester Credit Hours 63-69

For more detailed information about the SSP in School Psychology see the departmental website at https://www.tamuct.edu/departments/counseling-psychology/

Required Courses

PSYK 501. Research Methods. 3 Semester Credit Hours.
A study of the scientific method of research, types of research and design. Students are required to review, analyze and interpret research findings in their major field and develop a research project with the assistance of their instructor. This course should be taken after the completion of 12 graduate semester hours. Prerequisite(s): PSYK 500 or equivalent graduate statistics course.

PSYK 504. Human Development. 3 Semester Credit Hours.
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

PSYK 560. Found of School Psychology. 3 Semester Credit Hours.
Introduces the foundations, professional standards, ethics, and laws related to the delivery of school psychological services. Prerequisite(s): admission to graduate school or approval of Department Chair.

PSYK 581. Assessment and Evaluation Fund. 3 Semester Credit Hours.
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.

PSYK 502. Social Psychological Processes. 3 Semester Credit Hours.
An in-depth examination of the individual in a social and cultural context. Topics include: the behavior of groups, the roles of individuals within groups, and the influence of groups on an individual's perceptions, attitudes, emotions, and behavior. Major theories and supporting research are covered. Includes a selected emphasis on specific topics, with individual or team projects and/or original research.

PSYK 503. Theories Of Learning. 3 Semester Credit Hours.
Study of 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 approval of the department chair.

PSYK 505. Practicum I: Field Exp. 3 Semester Credit Hours.
Provides 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): CPSK 550, CPSK 553, CPSK 554, CPSK 557, CPSK 558 (or CPSK 551), and PSYK 581 for LPC and LPA; CPSK 550, CPSK 509, CPSK 553, CPSK 556, CPSK 557 for LMFT; PSYK 560, PSYK 581, PSYK 582, CPSK 553, CPSK 557, CPSK 558 for LSSP; 3.0 GPA; and consent of the Department Chair. Field experience fee $75.

PSYK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.
Study of 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.

PSYK 514. Assess Intell And Achievement. 3 Semester Credit Hours.
Introduces the selection, administration, and interpretation of selected tests used in the individual measurement of intelligence. Prerequisite(s): CPSK 558 and PSYK 581, or approval of the department chair. Field experience fee $75.
PSYK 515. Physiological Psychology. 3 Semester Credit Hours.
An examination of the biological basis of behavior with an emphasis on the structure and biochemistry of the human nervous system. Includes an exploration of the interactive relationships between biological processes, psychopharmacology, genetics, neurological disorders, normal growth and maturation, perception, memory, emotion, stress, mental disorders, consciousness, and communication. Contemporary theories and research are investigated and critiqued.

PSYK 580. Personality Social Assess. 3 Semester Credit Hours.
Instruction and supervision in the assessment of emotional, motivational, interpersonal, and attitudinal characteristics of children and adults. Includes the administration, scoring, and interpretation of many widely-used tests. Prerequisite(s): CPSK 558 and PSYK 581, or approval of the department chair.

PSYK 582. Behavior Mgmt And Therapy. 3 Semester Credit Hours.
Examines basic theories of human learning, major approaches to behavior management and therapy and principles of applied behavior analysis. Formal treatment planning application and evaluation of programs for management of specific behavioral/psychological problems. Includes case review and practice in individual interventions.

PSYK 583. Consultation & Supervision. 3 Semester Credit Hours.
Introduces the 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): CPSK 550 or PSYK 560, and CPSK 553, or approval of the department chair.

PSYK 595. Internship I. 3 Semester Credit Hours.
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.

PSYK 596. Internship II. 3 Semester Credit Hours.
Continued supervised experience of 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): PSYK 595 and application for internship. Field experience fee $75.

CPSK 557. Methods & Prac in Cnsl and Psy. 3 Semester Credit Hours.
The course is designed to introduce Counseling and Psychology pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): CPSK 550 or PSYK 560 or approval of department chair.

CPSK 558. Cnsl Persp on Psychopathology. 3 Semester Credit Hours.
An overview of 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 and treatment alternatives from a counseling perspective. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours.
A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program at.

EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.
The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

EDAK 510. Special Education Law. 3 Semester Credit Hours.
Legal framework for special education in the United States; consideration of federal constitutional provisions, federal and state statutes, federal and state judicial decisions and rules and regulations for the various federal and state agencies which affect special education.

PSYK 588. Thesis. 1-6 Semester Credit Hours.
An 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): PSYK 500 and PSYK 501 and successful completion of 12 additional credit hours in the degree plan and approval of the Chair of the thesis committee, or Department Chair approval.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).

SSP School Psychology
### School Counselor Certification

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>CNSK 552</td>
<td>Seminar in Sch Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 595</td>
<td>Practicum In Counseling I</td>
<td>3</td>
</tr>
<tr>
<td>CNSK 596</td>
<td>Practicum in Cnsl II</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 550</td>
<td>Found of Counseling &amp; Psych</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 551</td>
<td>Career Counseling and Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 553</td>
<td>Per &amp; Counseling Theory &amp; Appl</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 554</td>
<td>Group Procedure for Counselors</td>
<td>3</td>
</tr>
<tr>
<td>CPSK 557</td>
<td>Methods &amp; Prac in Cnsl Psy</td>
<td>3</td>
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<td>PSYK 504</td>
<td>Human Development</td>
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<td>PSYK 581</td>
<td>Assessment and Evaluation Fund</td>
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</tr>
<tr>
<td>PSYK 511</td>
<td>Culture, Minority, Gender Iss</td>
<td>3</td>
</tr>
<tr>
<td>or EDUK 502</td>
<td>Cultural Div Schools &amp; Comm</td>
<td></td>
</tr>
<tr>
<td>CNSK, CPSK, or PSYK elective</td>
<td></td>
<td>3</td>
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<td>CNSK 577</td>
<td>Comprehensive Exam</td>
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<tr>
<td></td>
<td><strong>Total Semester Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
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</table>

Certification Courses

**CNSK 552. Seminar in Sch Counseling. 3 Semester Credit Hours.**
An in-depth study of a comprehensive school counseling and guidance program. The course will address the 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.

**CNSK 595. Practicum In Counseling I. 3 Semester Credit Hours.**
Supervised professional activities in guidance and counseling. Major emphasis is placed on the student's involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement. Lab experiences are included. Prerequisite(s): CNSK 552 Field experience fee $75.

**CNSK 596. Practicum in Cnsl II. 3 Semester Credit Hours.**
Continued supervised experience of professional activities in counseling and guidance 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. Covers related ethical concerns. Prerequisite(s): CNSK 595 and the application for internship. Field experience fee $75.

**CPSK 550. Found of Counseling & Psych. 3 Semester Credit Hours.**
Overview of counseling and psychology services commonly found in a variety of settings. Includes individual and group counseling, testing, career planning and placement, referral, and consultation. Examines related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues. Prerequisite(s): Graduate Record Examination and application to the program by specified deadlines.

**CPSK 551. Career Counseling and Guidance. 3 Semester Credit Hours.**
An in-depth study of career counseling and guidance services that focuses on occupational, educational, and personal/social issues for general and special populations. Includes examination of theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities. Covers related ethical concerns. Students will be required to purchase occupational and educational information materials. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 553. Per & Counseling Theory & Appl. 3 Semester Credit Hours.**
Surveys and investigates personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations. Includes role plays and other experiential methods. Videotaped counseling sessions are critiqued. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 554. Group Procedure for Counselors. 3 Semester Credit Hours.**
An introduction to group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, and special populations. Supervised experience in group memberships is included. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

**CPSK 557. Methods & Prac in Cnsl and Psy. 3 Semester Credit Hours.**
The course is designed to introduce Counseling and Psychology pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): CPSK 550 or PSYK 560 or approval of department chair.

**PSYK 504. Human Development. 3 Semester Credit Hours.**
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social, and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood.

**PSYK 581. Assessment and Evaluation Fund. 3 Semester Credit Hours.**
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.

**PSYK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.**
Study of 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.

**EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.**
An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

For a complete list of all courses go to the Course Information (p. 241) page.

To check if a course is offered this Semester check the Online Schedule (https://ssb.tamuct.edu:9100/prod/bwckschd.p_disp_dyn_sched).
EXPLANATION OF CATALOG COURSE DESCRIPTIONS

In this catalog, each course is identified by a three-digit number. The first digit of each number indicates the level or academic year that the course is normally taken (1XX - freshman, 2XX - sophomore, 3XX - junior, 4XX - senior, 5XX - graduate, 6XX - doctoral). The second and third digits indicate departmental sequence. For example, ENGL 111 is a freshman course.

In course descriptions, the digit following the course number is the number of semester credit hours. For example, ENGL 111-3 is a freshman level course worth 3 semester hours of credit. The numbers in parentheses following the course number (for example, 3-2) indicate the number of clock hours per week devoted to theory and practice, respectively. Theory includes recitations and lectures; practice includes work in the laboratory, shop, drawing room, or field. WI indicates that sections of this course will be offered as writing intensive. Course descriptions include information about course content and learning objectives. Prerequisites and lab or other fees for the course may be listed.
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- Aviation Science (p. 245)
- Biology (p. 245)
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- Communications (p. 247)
- Computer Information Systems (p. 247)
- Computer Science (p. 253)
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Accounting

ACCK 300. Accounting Concepts. 3 Semester Credit Hours.
A survey of 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. This course is provided for students without a previous accounting background. (Meets requirements for Accounting I).

ACCK 301. Bus Analysis Using Sprdsheets. 3 Semester Credit Hours.
Theory and application of microcomputer spreadsheet technology applied in accounting, finance, management, and other business disciplines. Intended to stimulate creative initiative and to develop basic skills in performing common business tasks. Credit for both CISK 301 and ACCK 301 will not be awarded. Prerequisite(s): ACCT 2301.

ACCK 302. Cost Accounting. 3 Semester Credit Hours.
An introductory cost course, emphasizing the accounting for material, labor, and manufacturing expenses in both job order and process cost systems. Special attention is given to the distribution of service department cost, and costing of byproducts and joint products. Prerequisite(s): ACCT 2301.

ACCK 303. Intermediate Accounting I. 3 Semester Credit Hours.
The environment of accounting, development of standards, basic theory, financial statements, worksheets, and application of generally accepted accounting principles for the business enterprise with emphasis on corporations. Prerequisite(s): ACCT 2301 or approval of the department chair.

ACCK 304. Intermediate Accounting II. 3 Semester Credit Hours.
A continuation of Intermediate I with continued emphasis on generally accepted accounting principles as applied to the business enterprise. Prerequisite(s): ACCK 303 or approval of department chair.

ACCK 305. Governmental & Inst. Acct. 3 Semester Credit Hours.
Budgeting, accounting, and financial reporting principles and practices for governmental and other not-for-profit entities. Prerequisite(s): ACCK 303 or approval of the department chair.

ACCK 307. Writing for Accountants. 3 Semester Credit Hours.
(W) The course is designed to improve the communication skills of students entering the accounting profession. The course focuses on written communication including letter writing, memos, emails, reports, employment resumes, and writing for publication. Important skills, including organization of thought, critical thinking, and accounting research, are examined.

ACCK 308. Managing Accounting. 3 Semester Credit Hours.
A study of 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 approval of the department chair. Course cannot be counted as part of a degree program for an accounting major.

ACCK 310. Acct Info Systems. 3 Semester Credit Hours.
A specific study of the design and implementation of complex accounting information systems. An understanding of the traditional accounting model and its relationship to each type of accounting information system is emphasized, including accounts receivable, inventory control, cost accounting, operational budgeting, and capital budgeting. Key elements of a well-designed management control system are included. Prerequisite(s): ACCT 2301.

ACCK 399. Cooperative Education. 1-3 Semester Credit Hours.
This course is designed to offer students the opportunity to integrate academic study with work experience that is germane to their major or minor. Enrollment requires a two-semester minimum commitment 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. The department Cooperative Education advisor will supervise the student's experience and assign the final grade based on the student's final report, which is required to complete the course. Students may participate in the cooperative education program for an unlimited number of semesters but a maximum of 6 hours credit may be counted toward a degree. Prerequisite(s): Completion of 30 semester hours that includes 12 hours in the major or minor discipline in which the cooperative education course is desired, a minimum overall GPA of 2.5, a minimum GPA of 3.0 in the appropriate major or minor field, and the approval of the department chair. Field experience fee: $75.

ACCK 401. Financial Acct. 3 Semester Credit Hours.
A study of financial statement analysis and accounting topics related to financial statement presentation and disclosure. Prerequisite(s): ACCK 304 or approval of the department chair.

ACCK 403. Adv Accounting Princ. 3 Semester Credit Hours.
Special phases of partnership accounting, joint ventures, consignments, installment sales, business combinations, and statement of affairs and accounting for insolvent concerns. Prerequisite(s): ACCK 401 or concurrent registration.

ACCK 405. Fed Tax Acct. 3 Semester Credit Hours.
The present income tax law and regulations; 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 classification. Credit for both ACCK405 and FINK 405 will not be awarded.

ACCK 406. Fed Tax Acct Adv. 3 Semester Credit Hours.
Current income tax law and tax accounting procedures. Preparation of income tax returns for partnerships and corporations. Prerequisite(s): ACCK 405 or approval of the department chair. Credit for both ACCK 406 and FINK 406 will not be awarded.

ACCK 423. Ethics for Accountants. 3 Semester Credit Hours.
Introduction to auditing and ethical responsibilities for auditors and other accountants in both public and private practice. Topics include generally accepted auditing standards, the standard audit report, legal responsibilities of accountants, the Code of Professional Conduct for accountants, independence, and objectivity. Includes case studies involving ethical reasoning and decision making. The course objective is to provide students with a framework to make ethical decisions. Prerequisite(s): ACCK 304.

ACCK 424. Auditing Evidence and Report. 3 Semester Credit Hours.
Procedures used by auditors and accounting practitioners to gather and evaluate information, and report on their findings. Includes 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): ACCK 423.

ACCK 435. Financial Statement Analysis. 3 Semester Credit Hours.
Use of financial statements to analyze the position of a firm. Topics include analysis techniques and limitations imposed by generally accepted accounting principles. Prerequisite(s): ACCK 303.
ACCK 450. Management Information Systems. 3 Semester Credit Hours.
This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. The concepts of systems are development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: CISK 405, ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): COSC 1301 or 3 hours advanced CISK or ACCK 301 / CISK 301 and junior classification.

ACCK 457. Accounting Theory. 3 Semester Credit Hours.
A systematic study of the generally accepted accounting rules and principles that govern the practical application of accounting methods. Prerequisite(s): ACCK 303 and ACCK 304.

ACCK 485. Seminar. 3 Semester Credit Hours.
A study of current issues and developments in accounting. Prerequisite(s): Approval of instructor.

ACCK 486. Problems. 1-3 Semester Credit Hours.
A directed study of selected problems in accounting. May be repeated with approval of college dean. Prerequisite(s): Senior classification and approval of the department chair.

ACCK 500. Foundations of Accounting. 1 Semester Credit Hour.
This course prepares student in the MBA program with the basic knowledge of accounting necessary to begin the program. The course is a leveling course for students who have not had prior accounting coursework or who need a refresher course in preparation for their MBA studies. This course is the entry level accounting course to prepare students for their MBA studies. The course examines the accounting process including the accounting cycle and the preparation of basic financial statements found in corporate annual reports. The course also examines the analysis of corporate financial statements using ratio analysis. The final part of the course examines the use of accounting information for basic decision making through the study of cost behavior and cost-volume-profit analysis.

ACCK 503. Accounting and Management. 3 Semester Credit Hours.
A study of accounting as related to problems of making business and economic decisions. Includes both financial and managerial accounting. Readings, problems, and cases requiring the use of accounting data. MS-ACC majors may not take this course for credit. Prerequisite(s): Required accounting leveling or instructor approval.

ACCK 505. Accounting Theory. 3 Semester Credit Hours.
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.

ACCK 510. Adv Accounting Information Sys. 3 Semester Credit Hours.
A comprehensive study of computerized accounting systems. Major topics include: design, implementation, operation, control, and audit techniques of accounting information.

ACCK 515. Business Law for Accountants. 3 Semester Credit Hours.
Current business law topics which concern accountants in governing their practice and working with clients.

ACCK 520. Corporate Tax. 3 Semester Credit Hours.
Formation and capital structures, partial liquidations, S Corporations, accumulated earnings tax, personal holding companies, and other topics are studied.

ACCK 530. Current Topics in Auditing. 3 Semester Credit Hours.
Seminar in new topics and areas of current interest to students of auditing.

ACCK 535. Estate Planning. 3 Semester Credit Hours.
Comprehensive study of federal estate and gift taxation, as well as advanced family tax planning issues, to include the taxation of a decedent’s estate and lifetime gifts, and the valuation of properties subject to gift and estate taxes.

ACCK 540. Ethics in Accounting. 3 Semester Credit Hours.
A study of ethics as it relates to problems in business and economic decisions. An integration of ethical reasoning, objectivity, independence, and other core values important for the development of a professional accountant. Critical analysis of 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.

ACCK 545. Financial Statement Analysis. 3 Semester Credit Hours.
The analytical approach to financial statements: application of financial accounting principles relevant to the analysis of financial statements.

ACCK 550. Forensic Investigative Acct. 3 Semester Credit Hours.
The complete cycle of the investigative process known as auditing is covered from the evaluation of the business, through the study and evaluation of internal control, to corroborative evidence on the details of account balances. Topics include flow-charting, test planning, and the use of statistical sampling, computer controls, and management audits. Actual experience is gained through student teams performing an audit on an extended case.

ACCK 555. International Accounting. 3 Semester Credit Hours.
Introduction and examination of the accounting issues unique to multinational enterprises and international business activities.

ACCK 560. IT Systems Audit. 3 Semester Credit Hours.
Use of the computer as an audit tool is introduced through actual operation of Generalized Audit Software currently used in practice. Additional topics covered include computer fraud, security measures, and controls in advanced online, teleprocessing systems.

ACCK 565. Seminar in Acc Research. 3 Semester Credit Hours.
Research of accounting topics in an online environment will be covered and practiced. Emphasis is on basic accounting research in the areas of accounting theory, accounting practice, and other accounting topics, which prepares the student for research needs encountered in the business environment and on the CPA exam. Intended to stimulate creative initiative in performing accounting tasks and to develop basic skills necessary to efficiently and effectively research accounting and other topics which may be encountered in a business environment.

ACCK 570. Seminar in Auditing. 3 Semester Credit Hours.
Current issues and research in auditing, attestation, and financial disclosures.
ANTK 300. Cultural Anthropology. 3 Semester Credit Hours.
An introduction to the concept of culture and the different attitudes toward cultural diversity in a postmodern, global community. Topics include prehistory, subsistence, economic anthropology, political anthropology, cultural eras, the rise of state societies, and kinship systems. Surveys theories and methods in anthropology and the history of the discipline.

ANTK 320. Archaeology. 3 Semester Credit Hours.
This course is an introduction to archaeological theory, method, and practice. A review of the history of archaeology and current techniques in site excavation. Examines archaeological cultural complexity by studying hunter-gatherer societies and state societies in a worldwide overview. Bioarchaeology, CRM work, and NAGPRA are also reviewed.

ANTK 321. Archaeological Discoveries. 3 Semester Credit Hours.
Review of the historical development of the field of archaeology by exploring the most important archaeological discoveries of the past and present. Students will also take a critical view of hoaxes and archaeological myths and learn how archaeologists have dispelled them to develop the science of their discipline.

ANTK 322. Arch of Warfare and Violence. 3 Semester Credit Hours.
Survey of the complex history of warfare in different time periods and world regions through the study of the archaeological record. Students will explore the development of warfare in preindustrial societies. Reviews the current state of warfare research in archaeology with a special emphasis on the bioarchaeology of conflict.

ANTK 340. Intro to Bio Anthropology. 3 Semester Credit Hours.
This course is an introduction to the anthropological study of human biology. Students will examine the basic anatomy of the human skeleton, evolutionary processes acting on human populations, non-human primate anatomy, the classification and ecology of primates, the primate paleontological record, and human variation and adaptation.

ANTK 401. Myth and Ritual. 3 Semester Credit Hours.
This course primarily examines the history, beliefs, and practices of small-scale societies based on ethnographic literature. The course is part of the academic literature called the anthropology of religion. Topics include 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.

ANTK 420. Ancient Civ of Mesoamerica. 3 Semester Credit Hours.
This course explores the major pre-Columbian cultures of Mesoamerica, from Olmec to Aztec periods, with a focus on the ancient Maya. Archaeological and bio-archaeological studies are emphasized during a chronological overview of the prehistory and history of these cultures up to and beyond the point of European contact.

ANTK 430. Bioarchaeology. 3 Semester Credit Hours.
This course acquaints the undergraduate student interested in archaeology and physical anthropology with the broad range of issues that can be examined with evidence gleaned from human skeletal remains. The course focuses on the role of human skeletal studies in reconstructing both the biological and cultural past of our species. Classes are a combination of lecture and seminar formats, with some laboratory sessions.

ANTK 440. Human Osteology. 3 Semester Credit Hours.
The foundation of biological anthropology is the study of the human skeleton. In this course, students learn concepts and methods used by anthropologists to identify, describe, and analyze human skeletal remains from forensic and archaeological contexts. Classes are a combination of lecture and laboratory.

ANTK 451. Forensic Anthropology. 3 Semester Credit Hours.
Application of the science of physical anthropology to the legal process. Students learn to identify human remains, both skeletal and decomposed, and age, sex, ancestry, stature, and unique features of a decedent from the skeleton, and how these are used to help establish a positive identification. Overview of trauma and other pathological conditions to determine cause and manner of death. Combination of lecture and laboratory exercises.

ANTK 485. Special Topics. 3 Semester Credit Hours.
This is a special topics course, and topics may vary. Students may enroll for additional credit hours when topics vary.

ANTK 510. Anthropology of Religion. 3 Semester Credit Hours.
Examines and critiques the anthropological theories, ethnographies, and literature pertaining to the study of religious phenomena. Topics include myth and ritual, altered states, healing and bewitching, and religious practitioners. This course is cross-listed with RSK 510, and only one may be taken for credit.

ANTK 551. Forensic Anthropology. 3 Semester Credit Hours.
This course gives graduate students a comprehensive understanding of the field of forensic anthropology. Students 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. The students also learn to evaluate and critically analyze scientific publications within the discipline of forensic anthropology.
ANTK 590. Special Topics. 3 Semester Credit Hours.
This is a special topics course in Anthropology. Students may enroll for additional credit hours when topics vary.

Aviation science

Courses

ASCK 301. Air Carrier Operations. 3 Semester Credit Hours.
Designed to expand on the 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 instructor approval.

ASCK 302. Techniques of Instruction. 3 Semester Credit Hours.
Acquaints the student with the fundamentals of teaching and learning in an aviation oriented environment. It also introduces techniques of instruction and analysis of flight maneuvers. The theory of flight and Federal Aviation Regulations relating to the flight instructor rating are taught in this course. Prerequisite(s): Commercial Pilot Certificate or instructor approval.

ASCK 303. Air Traffic Control. 3 Semester Credit Hours.
Instruction pursues Terminal Enroute Air Traffic Controllers Procedures, controller’s standpoint of ARTC, Departure, Arrival, Tracon, Airport Control Tower procedures, air traffic separation, and enroute and approach clearance criteria. Practical application of Air Traffic Control procedures by field trips and Airport Control Tower Operation are specifically accentuated.

ASCK 304. Airport Management. 3 Semester Credit Hours.
The requirements for developing a public airport, to include local and state governmental agencies, are studied. Federal aid and regulations are examined. Also, the management required for the overall airport operations to include tenant operators, leases, property development for non-aviation use, user taxation for airport operations, planning and policies, organization and administration, maintenance, safety, airport fuels, and regulations are covered in the areas studied.

ASCK 307. Aviation History I. 3 Semester Credit Hours.
A study of people and events from ancient times through 1939 that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.

ASCK 308. Aviation History II. 3 Semester Credit Hours.
A study of people and events from 1939 to the present that have influenced modern aviation internationally. Historical evidence such as artifacts and recorded documents are examined to document the role aviation has played in world events. Prerequisite(s): Junior classification.

ASCK 401. Aviation Law. 3 Semester Credit Hours.
The field of aviation has developed its own distinctive body of statutes, treaties, regulations, and case law. Each of these areas are studied, as well as specialized rules and laws developed because of the distinctive nature of the airplane as a mode of transportation. Extra emphasis is placed on general aviation. Both the “text method” and “case method” are used in the course of instruction.

ASCK 402. Advanced Aircraft Systems. 3 Semester Credit Hours.
This course is designed to prepare the commercial pilot for the application and operation of advanced aircraft systems that are used by aircraft utilized in air carrier operations. Aerodynamics, federal aviation regulations, weight and balance, and the turbine systems are covered. Prerequisite(s): Commercial Pilot Certificate or instructor approval.

ASCK 408. Aviation Safety. 3 Semester Credit Hours.
A detailed analysis of the effective procedures and techniques in the development and supervision of an aviation safety program. A comprehensive program in aircraft accident prevention is studied for implementation. The use of statistics and related materials are covered throughout the course. Safety measures and education media materials are extensively used.

ASCK 411. Internship. 3 Semester Credit Hours.
Provides a closely supervised experience in aviation management in a fixed base operations, regional/major airline operations, or municipal airport management operations setting. Management problems are stressed and resolution techniques are implemented. Customer service is an important phase of the management process. This course is open only to Aviation Science majors. Prerequisite(s): 12 hours of upper-level aviation courses, ASCK 304, and permission of instructor to enroll required. Field assignment fee: $75.

ASCK 444. Historical App Aircraft Design. 3 Semester Credit Hours.
The study of the evolution, concepts, and design aspects used in aircraft development with an emphasis on aerodynamic efficiency and aircraft manufacture. Scale models from various historical periods are constructed and studied.

Biology

BIOL 300. Introduction to Biology. 4 Semester Credit Hours.
A one semester overview of biology designed for students who are non-biology majors, geared primarily toward education and psychology majors. Students gain an understanding of the 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. Laboratory sessions provide experience with selected biological principles and practices. Three hours of lecture and three hours of laboratory each week.

BIOL 301. Ecology. 4 Semester Credit Hours.
Covers interactions at the organismal, population, and community level. Applications of ecological theory to current environmental problems are examined throughout the course. 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 data. Each exercise requires a report in the format of a scientific paper. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407. Co-requisite(s): MATH 350.

BIOL 315. Adv Physiology. 3 Semester Credit Hours.
An integrated study of human physiology at the biochemical, cellular, tissue, and organ level. Designed primarily for upper division science and nursing majors. Prerequisite(s): BIOL 1406.
BIOL 318. Animal Physiology. 3 Semester Credit Hours.
The emphasis is on mammalian physiology, but there is some coverage of other vertebrate taxa. The course focuses on organ-system physiology; however, cellular and molecular mechanisms are discussed in order to present a current view of physiological principles. Furthermore, emphasis is placed on nervous, muscular, cardiovascular, respiratory, renal, digestive, and endocrine physiology. Prerequisite(s): BIOL 1407.

BIOL 320. Entomology. 4 Semester Credit Hours.
An introduction to the largest and most diverse group of animals on our planet. Students examine the physiology, morphology, life histories, diversity, ecology, and evolution of insects. Laboratory focuses on anatomy and classification of insects. Insect collection is required. Three hours of lecture and three hours laboratory. Prerequisite(s): BIOL 1407.

BIOL 330. Botany. 4 Semester Credit Hours.
An in-depth examination of the internal organization of plants, particularly angiosperms, with an emphasis on understanding anatomy from a structure-function standpoint. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 340. Invertebrate Zoology. 4 Semester Credit Hours.
Focuses on the biology, ecology, taxonomy, and comparative anatomy of animals within the invertebrate phylum. Students study live and preserved specimens in the field and laboratory. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 345. Comp Vert Zoology. 4 Semester Credit Hours.
Focuses on the biology, ecology, taxonomy, and comparative anatomy of animals within the vertebrates. Students have 'hands-on' and preserved specimens in the laboratory. Three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIOL 1407.

BIOL 352. Principles of Genetics. 4 Semester Credit Hours.
Mechanisms of inheritance, from bacteria to humans; mutations and phenotypes, Mendelian genetics, population genetics and evolution, and complex in heritance. Prerequisite(s): BIOL 1407.

BIOL 390. Research Methods. 3 Semester Credit Hours.
An introduction to the general principles and procedures of scientific research with an emphasis on the use of scientific literature and methods of research. Seminar, 3 hours each week. Prerequisite(s): Junior status.

BIOL 401. Conservation Biology. 3 Semester Credit Hours.
Focuses on conservation of biological diversity at gene, population, species, ecosystem, and global levels. This course 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. Three hours of lecture each week. Prerequisite BIOL 1301.

BIOL 402. Restoration Ecology. 3 Semester Credit Hours.
Explores fundamental principles of ecological restoration. This course provides an overview of the discipline, and the scientific, and ethical, and philosophical underpinnings that guide ecological restoration. Principles of ecosystem ecology are introduced to provide and understanding of ecosystem processes across landscapes and within specific restoration sites. Three hours of lecture each week. Prerequisite: BIOL 301.

BIOL 451. Bioinformatics. 4 Semester Credit Hours.
An introduction for understanding how the genomic sequence and its variations affect phenotypes. The focus is on the information available from DNA sequencing projects, ranging from the sequences of individual genes to those of entire genomes. Students learn analytical techniques that can be used to evaluate sequence data, and examples of the biological significance of such analysis. Prerequisite(s): BIOL 470, BIOL 471.
Chemistry

CHEM 315. Analytical Chemistry. 4 Semester Credit Hours.
The principles and applications of gravimetric and volumetric analysis are reviewed. Topics include the theory for selecting analytical methods; separation techniques—precipitations, extraction, and complexation; sources of error; data handling; and error analysis. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 2425 or equivalent.

CHEM 415. Instrumental Analysis. 4 Semester Credit Hours.
Focuses on chemical analysis utilizing electronic instrumentation. Topics include spectrosopic techniques, such as UV/VIS; molecular fluorescence; infrared; rama; atomic emission; atomic absorption; atomic fluorescence; NMR and mass spectrometry; electrochemical techniques, such as ion selective electrodes; polarography; coulometry; amperometry; conductance; and chromatographic techniques, such as gas, liquid, column and HPLC. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 315 or equivalent.

CHEM 430. Biochemistry I. 4 Semester Credit Hours.
First course in a two semester sequence. Topics include molecular components of the cell such as amino acids, proteins, enzymes, sugars, lipids, lipoproteins, nucleotides, vitamins, and coenzymes. Also covered are 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 430 or equivalent.

CHEM 431. Biochemistry II. 4 Semester Credit Hours.
Second course in a two semester sequence. Topics include 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. Three hours of lecture and three hours of laboratory per week. Prerequisite(s): CHEM 430 or equivalent.

CHEM 451. Bioinformatics. 4 Semester Credit Hours.
An introduction for understanding 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. Students learn analytical techniques that can be used to evaluate sequence data, and examples of the biological significance of such analyses. Prerequisite(s): BIOL 470, BIOL 471.

Communications

COMK 301. Business and 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.

COMK 303. 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 the department chair.

COMK 304. Interpersonal Comm.. 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 COMK 301 or permission of the department chair.

COMK 404. Organizational Comm. 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): COMK 301.

COMK 406. 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 COMK 301 or COMK 304 or permission of the department chair.

COMK 529. 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

CISK 300. Computer Tech and Impact. 3 Semester Credit Hours.
Explores today and tomorrow’s technology with special attention to the impact on real people at 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. The course is designed for those students with little or no experience with personal computers and/or the applications presented.

CISK 301. Bus Analysis Using Spreadsheets. 3 Semester Credit Hours.
Theory and application of microcomputer technology applied in accounting, finance, management, and other business disciplines. Intended to stimulate creative initiative and to develop basic analytical skills in performing common business tasks. Credit for both CISK 301 and ACCK301 will not be awarded. Prerequisite(s): ACCT 2301.

CISK 302. Introduction to Business Analytics. 3 Semester Credit Hours.
Theory and application of business analytics applied in accounting, finance, marketing, management, and other business disciplines. Intended to develop basic analytical skills to gain insights and make better decisions. Topics include descriptive statistics, data visualization, descriptive data mining, linear regression, forecasting, optimization models, spreadsheet models, Monte Carlo simulation, and decision analysis.
CISK 303. Programming Logic and Design. 3 Semester Credit Hours.
Emphasis is on typical business processing. Covers the logic of decision-making, nested looping, multidimensional arrays, implementation of the structure theorem, and boolean algebra. The tools taught for documenting logical problem solutions include structured flowcharts, structured pseudo code, hierarchy charts, and decision tables. The course focuses on business problem solving and does not count as a programming language.

CISK 304. Topics in Computer Info Syst. 3 Semester Credit Hours.
A study of selected topics in programming languages, programming techniques, or job control languages. Normally only one major topic is considered per offering. May be repeated once for credit as topics vary. Prerequisite(s): Varies with topic.

CISK 305. Operating Sys Theory and Prac. 3 Semester Credit Hours.
A study of the history, development, and principles of computer operating systems, and their variants in mainframe, minicomputer, server, and microcomputer application environments. Topics include related software issues, programming capabilities, and job control languages. Selected operating systems representing various hardware environments are studied. Prerequisite(s): One course from advanced programming language, CISK 330, CISK 331, CISK 332, CISK 343, or approval of the department chair.

CISK 307. Appl Proj with Lab. 3 Semester Credit Hours.
Strengthens interests or corrects deficiencies in specific areas of computer information systems. Students develop and document a software product using a formal software development process. Where possible, projects of value are actively sought from local businesses, governments, or nonprofit organizations. May be repeated for credit when topics change. Course may be taught as an independent study or in a classroom environment. Prerequisite(s): Based on topic.

CISK 312. Tech Support Mgmt and Oper. 3 Semester Credit Hours.
A study of the technical support industry, which will include its scope, significance, job skills, training, software availability, support problems, and place in the information technology industry. Specific tech supports skills are practiced in laboratories, to include use of resources, troubleshooting, and customer relation skills.

CISK 315. Web Site Develop and Design. 3 Semester Credit Hours.
A study of the principles of web authoring including planning, design, and production of interactive web pages. Exploration and implementation of a variety of current web authoring tools and web-based scripting languages.

CISK 317. Special Topics. 3 Semester Credit Hours.
A study of various issues, products, and technology current to computer information systems. This course may be repeated once for credit. Prerequisite(s): Approval of the department chair.

CISK 330. C++ Programming. 3 Semester Credit Hours.
An accelerated study of structured C++ programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in C++. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 331. Visual Basic Programming. 3 Semester Credit Hours.
An enhanced coverage of visual application development using Visual Basic and the native integrated development environment. Covers logic, working with forms, sequential and direct file access, scope and visibility rules, and numerous additional Visual Basic topics. Students analyze and program several problems. Prerequisite(s): COSC 1301 or CISK 300, and COSC 1309 or CISK 303, or concurrent enrollment, or approval of the department chair.

CISK 332. Java Programming. 3 Semester Credit Hours.
An in-depth study of applications development using Java. Covers identifiers and reserved words, objects and primitive data, program statements, arrays and vectors, exceptions and I/O streams, graphical user interfaces, and numerous additional JAVA topics. Students analyze and program several problems. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 340. Advance C++ Programming. 3 Semester Credit Hours.
An advanced course in the C++ programming language. Covers the advanced features of C++, such as classes, friends, abstraction, operator overloading, inheritance, polymorphism, templates, and object oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): CISK 303 or approval of the department chair.

CISK 341. Advance VB Programming. 3 Semester Credit Hours.
A study of advanced Visual Basic programming techniques, including declaration and manipulation of arrays, accessing database files, and advanced data handling techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 1401 or CISK 331, or approval of the department chair.

CISK 342. Advance Java Programming. 3 Semester Credit Hours.
An advanced course in the Java programming language. Covers advanced Java capabilities, such as class features, error handling, security techniques, Java streams, JavaBeans, database connectivity, Java servlets, and Java Server pages, and advanced object-oriented programming techniques. Students analyze and program several representative problems. Prerequisite(s): ITSE 2417 or CISK 332, or approval of the department chair.

CISK 343. C# for Windows and Web-Prog. 3 Semester Credit Hours.
Advanced programming using the C# programming language to create Windows applications in an Internet and intra-network environment. Explores object-oriented design, client-server interaction, event-driven programming, graphical user interfaces, distributed data, and distributed applications.

CISK 345. Topics in PC Software and Appl. 3 Semester Credit Hours.
A study of selected personal computer applications and software packages. Students 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.

CISK 346. PC Technology. 3 Semester Credit Hours.
An enhanced study of the technology and hardware operation microcomputers, their peripherals, and operating system software. Also considered are hardware configuration and selection, installation and test procedures, and routine maintenance.

CISK 347. Data Communications. 3 Semester Credit Hours.
A study of voice and data communications technologies, concepts, and applications, including communications terminology, hardware, software, protocols, and managerial issues in data and voice communications. Topics include alternatives available in hardware, software, and transmission facilities; design integration; and selection and implementation of communications solutions. In addition, students explore the current and future impact and directions of these technologies.
CISK 348. Network Architecture Design. 3 Semester Credit Hours.
A study of network architecture, industry standards and communications protocols, the placement of networking devices and components, transmission media selection, logical and physical topologies, data transmission, and structured cabling for local area networks (LANs) and wide area networks (WANs). Network designs include required components and address services as specified in an industry specific Request for Proposal (RFP). Application exercises include preparing and presenting a design proposal in response to an RFP, and installation, configuration, testing, and troubleshooting of WAN/LAN wiring interface technologies. Prerequisite(s): CISK 347, or the combination of ITNW 1325 and ITNW 2321, or approval of the department chair.

CISK 351. Data Structures. 3 Semester Credit Hours.
Theory and application of commonly used computer data structures, files, file organization and access methods, databases, and other storage and retrieval methods. Prerequisite(s): CISK 340 or CISK 341, CISK 342, or CISK 343, or approval of the department chair.

CISK 360. Ethics in Computing. 3 Semester Credit Hours.
This course is designed to provide an examination of personal and contemporary organizational ethical issues and challenges in the design, development, and use of computing technologies in a global environment. Topics covered include 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.).

CISK 389. System Analysis and Design. 3 Semester Credit Hours.
A study of the systematic analysis, design, and implementation of software systems, with a special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Traditional and current methodologies, including computer aided analysis and design tools, are considered. Topics are approached through project-oriented cases and projects, which integrate theory and practical application. Prerequisite(s): One course from CISK 330, CISK 331, CISK 332, or approval of the department chair.

CISK 399. Cooperative Education. 3 Semester Credit Hours.
Experiential learning and application of relevant CISK concepts in an actual work environment. The student must be employed in an approved professional CISK 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. Enrollment in the course must be preceded by a consultation between the student and the co-op coordinator, a formal application by the student to the program, and departmental approval for admission to the program. May be repeated once for credit. Prerequisite(s): Approval of co-op coordinator or the department chair. Field experience fee: $75.

CISK 401. Database Theory and Practice. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with an emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered.

CISK 402. Advanced Business Analytics. 3 Semester Credit Hours.
An advance course in business analytics. It follows the traditional descriptive/predictive/prescriptive framework. Topics include cluster analysis, Naive Bayes, Optimization Modeling, simple and multiple linear regression, and ensemble modeling. This course provides an overview of various tools such as Microsoft Excel and R to analyze huge sets of data, and explains the theory of formulating statistical models. Prerequisite(s): CISK 302.

CISK 403. Data Mining. 3 Semester Credit Hours.
This course introduces basic concepts, tasks, methods, and techniques in data mining. The emphasis is on various data mining problems and their solutions. Students develop an understanding of the data mining process and issues, learn various techniques for data mining, and apply these techniques in solving problems using data mining tools and systems. Students are also exposed to a sample of data mining applications. Prerequisite(s): CISK 302 or CISK 401.

CISK 407. Topics in Networking. 3 Semester Credit Hours.
Provides an introduction and study of various alternative or innovative network software packages, to include network focused tools, utilities, and operating systems. The course materials are selected from contemporary tools and products with an emphasis on those gaining widespread commercial and institutional acceptance. The focus of the course is 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.

CISK 408. Adv Programming Language. 3 Semester Credit Hours.
Develops the programming proficiency in a modern programming language. Students complete many programming assignments to achieve the necessary knowledge and skills. May be repeated as topics vary. Prerequisite(s): Approval of the department chair.

CISK 409. Decision Support Methods. 3 Semester Credit Hours.
Using computer-based decision, analysis, planning, and presentation methods in the context of management strategy and policy problem solving. Application of 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 CISK 300, ACCT 2302, MGTK 301, FINK 301, MKTK 314, G BK 311, or approval of the department chair.

CISK 435. Unix Systems Admin and Pro. 3 Semester Credit Hours.
Examines in detail the underlying conceptual considerations of the UNIX operating system and its variants in mainframe, minicomputer, server, and microcomputer application environments. Topics include memory and process management, multi-programming and processing, interrupt structure, and parallel processing mechanisms and procedures. Includes practical laboratories in the configuration and programming of one or more UNIX operating systems. Prerequisite(s): CISK 305 or 12 hours of CISK courses, or approval of the department chair.

CISK 440. Algorithm Design and Analysis. 3 Semester Credit Hours.
Introduces the modern study of computer algorithms with an emphasis on how to select the best algorithm for a task considering the specific computing environment. Students extensively study searching and sorting algorithms for their importance in computing. Other topics include efficiency, readability, and maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): CISK 351 or approval of the department chair.
CISK 441. IT Security and Risk Mgmt. 3 Semester Credit Hours.
An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. Students learn critical security principles that enable them to plan, develop and perform security tasks. The course addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational IT Security and Risk Management.

CISK 442. Comp Security Principles & Pra. 3 Semester Credit Hours.
This course introduces the current principles and theory in the area of security. It examines the basic methods and practices of security as it affects modern business operations. This is an overview course of the concepts behind computer security. Course material is supplemented with hands-on exercises in the security laboratory. Topics covered include 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): CISK 441 or approval of the department chair.

CISK 443. Adv Systems Analysis. 3 Semester Credit Hours.
This course concentrates on advanced systems analysis concepts with an emphasis in data and process decomposition and modeling. CASE tools support both the models and the interaction analysis of processes and data. The enterprise-wide view of system analysis stresses the theory behind and the generation of normalized relational database tables. Course includes material on user-centered requirements gathering and analysis. Prerequisite(s): CISK 389 and CISK 401, or approval of the department chair.

CISK 445. 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 provides approaches, techniques, and best practices for securing modern electronic data systems. Areas covered include electronic information and message security, database and file integrity, physical security, security management, security risk analysis, and encryption. Prerequisite(s): ITNW 2321 or CISK 347 or approval of the department chair.

CISK 446. Applied Security. 3 Semester Credit Hours.
This course validates and develops in-depth, hands-on knowledge about the operation and defense of malware 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 investigated include social engineering, malware usage and identification, network tool familiarization, and system hardening. Prerequisite(s): CISK 442 or approval of the department chair.

CISK 448. Security Trends &Malware Analy. 3 Semester Credit Hours.
This course analyzes and investigates security threats and ethical hacking methods. It takes a detailed examination of malware and virus operation. The course also examines in detail current trends in the threat environment and the most current attack exploits. Student 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; trends in the threatscape; and methods to harden and protect systems. Student learn research skills as they apply to the area of security. Prerequisite(s): CISK 446 or approval of the department chair.

CISK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of various business subsystems. The concepts of systems development, security, privacy, and ethics associated with information systems are stressed. Credit will be awarded for only one of the following courses: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): Senior classification.

CISK 452. Structured Query Language. 3 Semester Credit Hours.
A study of SQL, including relational database schema in SQL, formulating SQL queries and sub queries of varying complexity, embedding SQL statements in a “host” language, defining and querying data views in SQL, and other related topics. Prerequisite(s): CISK 401 or approval of the department chair.

CISK 476. Network Administration. 3 Semester Credit Hours.
Studies communications architectures, protocols, and interfaces as they relate to network operating systems. Topics include communications networking techniques such as circuit switching, packet switching, broadcast networking, and internetworking. Also included are the installation, configuration, client handling, basic security, and troubleshooting of a network operating system. A modern network operating system is used to provide extensive hands-on experience in configuring and administrating a network. Prerequisite(s): ITNW 2321 or CISK 347, or approval of the department chair. Networking certification fee: $175.

CISK 478. Comprehensive Networking. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Application exercises include the installation and configuration of a network operating system, the creation of required user interfaces, the establishment of network security, and the establishment of print services for a network. A modern network operating system will be used for extensive hands-on computer exercises to practice and demonstrate network skills. Prerequisite(s): CISK 401 or approval of the department chair.

CISK 479. Tech of 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. Credit for both CISK 479 and MKTK 479 will not be awarded. Prerequisite(s): COSC 1301 or CISK 300.

CISK 480. Software Engineering. 3 Semester Credit Hours.
Emphasizes the production of high quality software for medium and larger scale projects. Theoretical software engineering research is the basis for a practical approach to developing quality software. Students study a software life-cycle model, fundamental software engineering principles, and documentation standards in detail. A significant team project is required. Prerequisite(s): COSC 340 or CISK 341 or CISK 342 or CISK 343 and senior classification.

CISK 484. Internship in CIS. 3 Semester Credit Hours.
This course is designed to provide the student with actual work experience as a programmer/programmer analyst. The student will have the opportunity to apply the principles, concepts, and skills learned during the first three years of collegiate training. May be repeated for credit. Prerequisite(s): Approval of the internship coordinator or department chair. Field experience fee: $75.
CISK 485. Professional Senior Seminar. 3 Semester Credit Hours.
Professional-level enrichment for CISK majors with activities that may include participation in professional organizations, current events, research and presentations, job market analysis, interviewing, resume preparation, and sitting for professional certification exams. Prerequisite(s): 24 hours of CISK courses.

CISK 486. Problems. 1-3 Semester Credit Hours.
Selected individual topics in business on technical computer applications, practicum, field projects, or other suitable computer studies. Prerequisite(s): Approval of the department chair.

CISK 502. Proc Language Prog and Design. 3 Semester Credit Hours.
A study of the design and programming of business systems. Students become familiar with the primary program design tools, such as hierarchy charts, flowcharts, and pseudo code. A standard modular design becomes the crux of the programming experience. Topics include comparison, data validation, control breaks, and tables.

CISK 503. Foundations of Computer Prog. 3 Semester Credit Hours.
Provides the concepts and tools of computer programming that underlie the principles of computer systems. Emphasizes concepts that assist in the creation and support of Management Information Systems. Prerequisite(s): CISK 502 or approval of the department chair.

CISK 504. Telecommunications for Manager. 3 Semester Credit Hours.
Examines 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.

CISK 507. Sys Analysis for Managers. 3 Semester Credit Hours.
Investigates and compares various analysis approaches for application automation while highlighting management considerations for planning and developing automated systems. Systems life cycle models and case studies are used. Prerequisite(s): CISK 503 and CISK 516, or approval of the department chair.

CISK 510. Tech Planning for Educators. 3 Semester Credit Hours.
Designed to provide educational leaders with an understanding of the technology planning process. An examination of the theories, practices, and competencies required to effectively design, implement, and evaluate a technology plan for instructional and administrative purposes within a school district. The course of study culminates in the development of a comprehensive technology plan.

CISK 511. Managing Information Systems. 3 Semester Credit Hours.
Studies 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. Examines information systems management, intellectual property, privacy, organizational and societal impact, legal issues, ethics, security issues, decision making, strategic information systems, and organizational support systems.

CISK 512. Tech Support Management Opr. 3 Semester Credit Hours.
Students study issues of organizing and staffing a technical support help desk. Students explore the numerous management techniques and operational concepts that businesses and governmental organizations use to manage successful technical support activities. Students survey the wide array of commercially available technical support software. In addition, students experience working with the public to deliver technical support in an operational environment.

CISK 516. Applied Database Management. 3 Semester Credit Hours.
Examines the objectives and methodologies of database management. Topics include data models, database design, data dictionaries, fourth generation programming languages, data integrity, security, and privacy. Students use a commercial database.

CISK 517. Special Topics. 3 Semester Credit Hours.
A study of various issues, products, and technology current to computer information systems. May be repeated once for credit as topics vary. Prerequisite(s): Varies with topic.

CISK 518. Quantitative Concepts. 3 Semester Credit Hours.
An examination of measurements related to software projects and applying measurement techniques to information technology related problems. Analyses of programs and selected algorithms are performed. A statistical program is used to analyze data. Prerequisite(s): CISK 502 or approval of the department chair.

CISK 519. Decision Support Systems. 3 Semester Credit Hours.
An examination of the fundamentals of management support systems. Includes an examination of decision support systems and other collaborative systems, executive support systems, expert systems and intelligent systems.

CISK 520. Seminar on Computer Based Sys. 3 Semester Credit Hours.
Topics will vary according to timeliness and special needs. May be repeated once for credit as topics vary.

CISK 525. Unified Modeling Language. 3 Semester Credit Hours.
A study of the Systems Development Life Cycle using the Unified Modeling Language (UML) in an object-oriented software system environment. Students model the elements, structure, and behaviors of object-oriented software systems using UML. Students 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. Students also learn how to implement the UML models in a software system.

CISK 527. Object Role Modeling. 3 Semester Credit Hours.
The ORM methodology is suited to describing the relationships that exist in a system. The concept of a system includes any set of objects that interact to solve a problem, thus creating a business process model. The class is team structured, and the teams are given a set of problems to solve that require a system level solution. Prerequisite(s): CISK 503 and CISK 515, or approval of the department chair.

CISK 545. Extensible Markup Lang. 3 Semester Credit Hours.
This course studies well-formed XML and validated XML documents, and the language facilities for working with hierarchical data. The class is composed of teams that are given life-like problems to describe with XML as well as transforming the XML data to an external presentation.

CISK 549. Topics in Programming. 3 Semester Credit Hours.
Develops programming proficiency in a modern programming language. Students complete many programming assignments to achieve necessary knowledge and skills. May be repeated once for credit as topics vary. Prerequisite(s): Approval of the department chair.

CISK 551. IT Project Management. 3 Semester Credit Hours.
Studies the genesis of project management and its importance to improving the success of information technology projects. Project management concepts and techniques are emphasized, and students are required to apply these concepts by working on a group project as a project manager or active team member. Prerequisite(s): CISK 511 or approval of the department chair.
CISK 552. Decision Analysis Tools. 3 Semester Credit Hours.
The application of advanced decision analysis tools in solving financial, statistical, and managerial decision-making problems. The learning outcomes from this course include mastery in applying spreadsheet-based functions to a variety of organizational problems. Prerequisite(s): CISK 511 and knowledge of basic spreadsheet functions.

CISK 553. Big Data Analytics and Management. 3 Semester Credit Hours.
The course covers fundamental concepts and principles of big data analytics and its role in supporting/enhancing organizational-decision making and predictions. Topics covered include big data, trends, challenges and applications; analytic methods, tools, technologies, infrastructure, and strategies for big data management; data privacy and ethics. Prerequisite(s): CISK 511 or approval of the department chair.

CISK 554. Advanced Methods in Big Data Analytics. 3 Semester Credit Hours.
The course builds on knowledge and skills developed in Big Data Analytics and Management course. Topics covered include NoSql databases, Hadoop ecosystems, MapReduce, Pig, Hive, natural language processing, social network analysis, and data visualization. Prerequisite(s): CISK 553, Java Programming, or approval of the department chair.

CISK 555. Web Development. 3 Semester Credit Hours.
Theory and application of the multimedia application development process to the creation of web-based authoring and scripting tools and their use in the creation of various types of web-based projects. The course of study culminates in the planning, design, projection, and evaluation of interactive web-based projects for delivery through a variety of media.

CISK 556. Computer-Based Training. 3 Semester Credit Hours.
Theory and application of the multimedia application development process to the creation of computer-based training. A review of the principles of instructional design and the appropriate application of these principles to interactive computer-based training is conducted. An exploration of computer-based multimedia authoring and scripting tools and their use in the creation of various types of computer-based training projects. The course of study culminates in the planning, design, and production, and evaluation of computer-based training projects for delivery through a variety of media. Prerequisite(s): CISK 560 or approval of the department chair.

CISK 559. Project Management. 3 Semester Credit Hours.
Theory and application of project management techniques to multimedia application development. A review of the principles of project management and the appropriate application of these principles to multimedia-based projects. An exploration of computer-based project management tools and their use in the management of multimedia-based projects. The course of study culminates in the planning, design, projection, and evaluation of complex interactive multimedia-based projects for delivery through a variety of media. Prerequisite(s): CISK 560 and six hours from CISK 561, CISK 562, CISK 563, CISK 564, CISK 565, or CISK 566, or approval of the department chair.

CISK 560. Foundations of Information Security. 3 Semester Credit Hours.
The course covers the fundamental concepts and principles of information security management and information assurance as they affect modern business operations. Topics covered include security and risk management; business assets security; communication and network security; database security; operating systems security; identity and access control management; physical, technical and operational security measures; security policy and management; issues; trends; and the legal aspects of cyber security.

CISK 566. Network Admin and Design-Lan. 3 Semester Credit Hours.
Studies of communications architectures, protocols, and interfaces. Communications networking techniques such as circuit switching, message switching, packet switching, broadcast network, and inter-networking are explored. Prerequisite(s): CISK 504 or approval of the department chair.

CISK 576. Network Design and Admin-WAN. 3 Semester Credit Hours.
A study of planning network installations, preparing the hardware, installing a network operating system, configuring the user environment, creating the user interface, establishing network security, establishing printing services, network administration, network utilities, maintenance techniques, monitoring performance, trouble shooting, and configuring the network for maximum efficiency. Prerequisite(s): CISK 576.

CISK 578. Network Design and Admin-WAN. 3 Semester Credit Hours.
A study of the technical and business considerations for creating and operating an electronically based business. Students study the environment from an operational and legal perspective, analyze the technologies available, and implement an e-commerce project integrating databases, web pages, and script languages.

CISK 580. E-Business Appl Development. 3 Semester Credit Hours.
This course examines issues related to supporting a business that uses the internet and other on-line implementations. The course operates in a team environment simulating a business organization and requires the team develop and implement database and internet technologies. Prerequisite(s): CISK 503 and CISK 516, or approval of the department chair.

CISK 586. Problems. 1-3 Semester Credit Hours.
This course offers students the opportunity to study CISK topics and perform research within the student’s area of interest as directed by a responsible professor. May be repeated as topics vary for a maximum of six semester hours. Prerequisite(s): Approval of the department chair.

CISK 588. Thesis. 1-6 Semester Credit Hours.
Scheduled when the student is ready to begin the thesis. No credit until the thesis is accepted. Prerequisite(s): CISK 518, CISK 598, and consent of major advisor, or approval of the department chair.

CISK 590. Selected Topics in CIS. 1-3 Semester Credit Hours.
An examination of various topics in computer information systems with focus on current and recent developments. May be repeated as topics vary for a maximum of six semester hours. Prerequisite(s): Approval of Department Chair.

CISK 593. Comprehensive Exam. 0 Semester Credit Hours.
This is the sign up for 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.

CISK 595. Research Project with Lab. 3 Semester Credit Hours.
Independent study course in specific areas of Information Systems. May be repeated for credit once when topics change. Prerequisite(s): Approval of department chair.

CISK 598. Research Methods in Info Sys. 3 Semester Credit Hours.
This course examines timely topics related to computer-based systems. The course develops research skills, problem-solving skills, applies the scientific method refines presentation skills, and promotes team involvement. The course operates in a distributed team environment using the Internet as its communication vehicle.
CISK 599. Internship. 3 Semester Credit Hours.
Supervised work experience in an information technology-related position with a public or private organization. May be repeated for a total of 6 hours credit. Prerequisite(s): 6 semester hours of prefix CISK courses or equivalent and approval of internship coordinator or department chair. Field experience fee $75.

Computer Science

C SK 304. Topics in Computer Science. 3 Semester Credit Hours.
A study of selected topics in computer systems including programming languages, programming techniques, or other specialized topics. Normally only one major topic is considered per offering. May be repeated once for credit as topics vary. Prerequisite(s): 6 hours of C SK or approval of the department chair.

C SK 343. Computer Architecture. 4 Semester Credit Hours.
(WI) Hardware and software structures found in modern digital computers. Instruction set architecture, hardwired design of the processor, assembly language programming, microprogramming, I/O and memory units, analysis of instruction usage, and hardware complexity.

C SK 351. Data Structures. 3 Semester Credit Hours.
Theory and applications 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++, VB, Java, or approval of Department Chair.

C SK 360. Ethics in Computing. 3 Semester Credit Hours.
This course is designed to provide an examination of personal and contemporary organizational ethical issues and challenges in the design, development, and use of computing technologies in a global environment. Topics covered include 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 such as AIS, ACM, IEEE.

C SK 380. Operating Systems. 3 Semester Credit Hours.
Introduction to the design and development of operating systems. Analysis of current system software technology, including process management, memory organization, security, and file systems. Prerequisite(s): COSC 2436. Corequisite(s): C SK 343.

C SK 389. Intro to Software Engineering. 3 Semester Credit Hours.
Object oriented software development process, requirements analysis, software design concepts and methodologies, object oriented programming, and debugging. Prerequisite(s): COSC 2436, ITSE 2431.

C SK 401. Database Theory and Practices. 3 Semester Credit Hours.
Database concepts and structures. File and data management principles underlying database construction. Fundamental types of database models, with emphasis on relational databases, as well as on major non-relational forms. Practice in analysis, design, development, and optimization of working database applications on a variety of problems. Small and large system databases are considered. Credit for both CISK 401 and C SK 401 will not be awarded.

C SK 440. Analysis of Algorithms. 3 Semester Credit Hours.
Introduces the modern study of computer algorithms with an emphasis on how to select the best algorithm for a task considering the specific computing environment. Students extensively study searching and sorting algorithms for their importance in computing. Other topics include: efficiency, readability, maintainability, advanced design and analysis techniques, advanced data structures, and graph algorithms. Prerequisite(s): C SK 351.

C SK 441. IT Security and Risk Management. 3 Semester Credit Hours.
Survey of topics in the realm of information assurance and security. This course introduces the fundamental principles and concepts of information security and common body knowledge of information security. Topics include access control, telecommunication and network security, information security governance and risk management, software development security, physical security, cryptography, security architecture and design, operations security, business continuity and disaster recovery planning, and legal and ethical issues in information security. Various technologies pertaining to information security are introduced.

C SK 478. Computer Networks. 3 Semester Credit Hours.
A comprehensive course requiring the student to plan, analyze, design, install, and configure a working computer network. Application exercises include the installation and configuration of a network operating system, the creation of required used interfaces, establishing network security, and establishing print services for a network. A modern network operating system is used for extensive hands-on computer exercises to practice and demonstrate network skills. Prerequisite(s): CISK 348 OR (COSC 2436 and ITSE 1431 and MATH 2414).

C SK 486. Computer Science Problems. 1-4 Semester Credit Hours.
Special problems in computer science. Work may be either theory or laboratory. May be repeated with the approval of the department coordinator for additional credit when fewer than four credits have been earned. Prerequisite(s): 9 hours of computer science.

C SK 490. Adv Topics in Computer Science. 3 Semester Credit Hours.
(WI) Special topics in computer science, such as artificial intelligence, security, robotics, and human-computer interaction. May be repeated for additional credit with approval of the department chair. Prerequisite(s): 9 hours of computer science.

Counseling

Courses

CNSK 552. Seminar in Sch Counseling. 3 Semester Credit Hours.
An in-depth study of a comprehensive school counseling and guidance program. The course will address the 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.

CNSK 559. Brief Therapy. 3 Semester Credit Hours.
An in-depth examination of brief therapy including history, philosophy, theory, and techniques. Stresses application of learning through experiential methods. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CNSK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

CNSK 586. Problems. 1-3 Semester Credit Hours.
Open to graduate students in counseling who are independently capable of developing a problem in the area of counseling and guidance. Problems chosen by the student must be approved in advance by the instructor.
CNSK 590. Selected Topics in Counseling. 3 Semester Credit Hours. An examination of different topics each semester with a focus on contemporary issues in counseling. This course may be repeated for credit as the topic changes.

CNSK 591. Ethical Foundation of Counsel. 3 Semester Credit Hours. An exploration of the ethical principles of counselors and related codes of ethics. Covers models for ethical decision making and how to apply to counseling practice.

CNSK 593. Play Therapy. 3 Semester Credit Hours. An introduction to play therapy with an emphasis on developing counseling skills using play as the means of communication and understanding. Includes background, history, and various play techniques. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CNSK 595. Practicum In Counseling I. 3 Semester Credit Hours. Supervised professional activities in guidance and counseling. Major emphasis is placed on the student's involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement. Lab experiences are included. Prerequisite(s): CNSK 552 Field experience fee $75.

CNSK 596. Practicum in Cnsl II. 3 Semester Credit Hours. Continued supervised experience of professional activities in counseling and guidance 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. Covers related ethical concerns. Prerequisite(s): CNSK 595 and the application for internship. Field experience fee $75.

Counseling Psychology

Courses

CPSK 509. Asmt and Treat Mar and Family. 3 Semester Credit Hours. Presents 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): CPSK 550 and CPSK 556 or approval of department chair.

CPSK 510. Family Rel And Development. 3 Semester Credit Hours. Study of family systems in relation to life-cycle stages, cultural issues and influences, gender issues, family functions and structural changes. Divorce, post-divorce, remarried, single parent and other alternative family systems are examined in relation to assessment and intervention.

CPSK 520. Advanced Family Systems Theory. 3 Semester Credit Hours. Comprehensive examination of theory in family studies, with particular focus on 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.

CPSK 524. Hum Sexuality and Sexual Dysf. 3 Semester Credit Hours. Detailed examination of sexuality, including reproductive physiology, sexual development and the etiology and treatment of sexual dysfunction. Focus is on the role of sexuality in marital and family dynamics and on treatment planning for sexual dysfunction. Prerequisite(s): CPSK 550 and CPSK 556 or approval of department chair.

CPSK 550. Found of Counseling & Psych. 3 Semester Credit Hours. Overview of counseling and psychology services commonly found in a variety of settings. Includes individual and group counseling, testing, career planning and placement, referral, and consultation. Examines related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues. Prerequisite(s): Graduate Record Examination and application to the program by specified deadlines.

CPSK 551. Career Counseling and Guidance. 3 Semester Credit Hours. An in-depth study of career counseling and guidance services that focuses on occupational, educational, and personal/social issues for general and special populations. Includes examination of theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities. Covers related ethical concerns. Students will be required to purchase occupational and educational information materials. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 553. Per & Counseling Theory & Appl. 3 Semester Credit Hours. Surveys and investigates personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations. Includes role plays and other experiential methods. Videotaped counseling sessions are critiqued. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 554. Group Procedure for Counselors. 3 Semester Credit Hours. An introduction to group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, and special populations. Supervised experience in group memberships is included. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 555. Group Process. 3 Semester Credit Hours. Focus is on the role of sexuality in marital and family dynamics and on treatment planning for sexual dysfunction. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 556. Intro Family Cnsl And Therapy. 3 Semester Credit Hours. Familiarizes the student with family systems therapy as applied to the study of family dynamics, family development, and the resolution of both family and ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 557. Methods & Prac in Cnsl and Psy. 3 Semester Credit Hours. The course is designed to introduce Counseling and Psychology pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): CPSK 550 or PSYK 560 or approval of department chair.

CPSK 558. Cnsl Persp on Psychopathology. 3 Semester Credit Hours. An overview of 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 and treatment alternatives from a counseling perspective. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

CPSK 590. Special Topics. 3 Semester Credit Hours. Presentation of advanced study material on a specialized topic of interest to counseling and psychology. Course may be repeated for credit as topics vary. (Course will be offered not more than one semester each year.)
CPSK 594. Substance Abuse. 3 Semester Credit Hours. 
An introduction to addiction counseling. Special attention is given to models of addiction, chemical dependence, process addictions, and co-dependence. An experiential component is included as well. Covers related ethical concerns. Prerequisite(s): CPSK 550 or approval of department chair.

Criminal Justice

C JK 300. Juvenile Delinquency. 3 Semester Credit Hours.
A study of the nature, extent, causation, treatment, and prevention of juvenile delinquency. A survey of the procedures and operations of the juvenile justice agencies is also considered.

C JK 305. Criminology. 3 Semester Credit Hours.
A study and critical appraisal of various theories of crime causation, including an examination of classical, biological, psychological, and sociological perspectives on the etiology of crime.

C JK 310. C J Supervision & Management. 3 Semester Credit Hours.
A study of theories and principles of supervision as applied to criminal justice agencies. Topics include organization, leadership, motivation, human resources flow, and managerial ethics. Prerequisite(s): Junior classification or instructor approval.

C JK 311. Techniques of Interviewing. 3 Semester Credit Hours.
A study of interview and interrogation techniques. Topics include preparation, environmental and psychological factors, legal issues, and ethics.

C JK 315. Criminal Evidence. 3 Semester Credit Hours.
An analysis of 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.

C JK 325. Institutional Corrections. 3 Semester Credit Hours.
A study of the structure and function of correctional systems, and how various philosophies of correctional treatment affect the operation of confinement institutions.

C JK 330. Community Corrections. 3 Semester Credit Hours.
A study of the philosophy, administrative procedures, and operational techniques used in the community based treatment and supervision of offenders.

C JK 340. Homeland Security. 3 Semester Credit Hours.
An in-depth study of strategic, legal, policy, operational, and organizational issues associated with the defense of the U.S. homeland from foreign and domestic terrorist threats. Topics include 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.

C JK 345. Criminal Justice in Film. 3 Semester Credit Hours.
This course explores the role of film in the development of perceptions and stereotypes of criminals, criminal justice professionals, and victims.

C JK 352. Physical Asp of Forensic Sci. 3 Semester Credit Hours.
This course provides the non-science student with an overview of various forensic physical sciences, and their relation to crime scene investigation and the collection, preservation and identification of evidence. It covers methods of laboratory analysis of fingerprints, firearms, tool marks, documents, and trace evidence, such as glass, soil, paint, hairs, and fibers.

C JK 353. Biological Aspects Forensic Sc. 3 Semester Credit Hours.
This course provides the non-science student with an overview of various forensic biological sciences, and their relation to crime scene investigation and the collection, preservation and identification of evidence. It covers methods of laboratory analysis including forensic disciplines of pathology, anthropology, odontology, entomology, toxicology, serology, DNA, and blood pattern analysis.

C JK 356. Medicolegal Death Investiga. 3 Semester Credit Hours.
This course provides the non-science student a basic understanding of the specialty field of death investigation. The course focuses on four areas: an overview of the medicolegal investigative system and forensic pathology; death investigation in Texas; death scene investigation and teamwork; and establishing cause, manner and time of death.

C JK 400. Policing. 3 Semester Credit Hours.
Provides the student with the tools needed to critically evaluate policing in general. This course is designed, in part, to dispel myths and provide students with the tools needed to reach their own conclusions based upon the available research.

C JK 406. Female Offenders. 3 Semester Credit Hours.
A study of female offenders in the criminal justice system. Topics include, but are not limited to, historical perspectives, juvenile offenders, programming and treatment, prison and community corrections, and special issues.

C JK 412. Criminal Justice Ethics. 3 Semester Credit Hours.
(WI) This course presents an analysis of contemporary ethical issues in crime and justice. Classical and contemporary ethical theories are applied to the discussion of such issues as discretion, corruption, and use of force, racism, deception, professionalism, and the nature and meaning of justice.

C JK 415. Crim Justice Statistics. 3 Semester Credit Hours.
Introduction to statistical concepts and techniques that can assist one in evaluating research. Techniques include measures of central tendency, dispersion, and significance. Introduction to hypothesis testing using t-tests, ANOVA, and Chi square. The student learns to manipulate, analyze, and interpret data using SPSS.

C JK 416. Methods Crim Justice Research. 3 Semester Credit Hours.
(WI) This course is an introduction to the methods of criminological and criminal justice research, with an emphasis on research ethics, research design, and methods of data collection and analysis.

C JK 420. Criminal Justice Statistics II. 3 Semester Credit Hours.
An introduction to intermediate-level statistics used in criminal justice research. The course focuses on statistical analyses commonly used in hypothesis testing with an introduction to measures of association and multivariate analyses. Prerequisite(s): CJK 415 or instructor approval.

C JK 425. Advanced Investigation. 3 Semester Credit Hours.
Advanced criminal and civil investigation topics are covered. An examination of frequently used, yet special, investigative techniques is also introduced. Emphasis is placed on crime scene processing, crime scene analysis, forensic evaluations, investigative techniques, and investigative surveys.

C JK 431. Crim 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 is arranged with the internship coordinator. May be taken more than once for credit. Field experience fee: $75.
C JK 451. Forensic Anthropology. 3 Semester Credit Hours.
The application of physical anthropology to the legal process. Includes techniques to identify human remains to establish age, sex, ancestry, stature, and other characteristics. Includes an overview of trauma and other pathologies to determine cause of death.

C JK 485. Seminar: Spl Topics in C J. 3 Semester Credit Hours.
Topics vary according to timeliness and special needs. May be taken more than once for credit.

C JK 486. C J Problems. 3 Semester Credit Hours.
Independent reading, research, and discussion. Entry into this course is arranged by the instructor.

C JK 498. Senior Seminar. 3 Semester Credit Hours.
This is a capstone course that assists the student in completing their knowledge of the criminal justice system through a study of current practices related to operations, recruitment, testing, training, law, and other issues to prepare the student for entry into the criminal justice profession. Prerequisite(s): CJK 305, CJK 310, and CJK 416. Restricted to senior-year CJ majors.

C JK 500. Multivariate Analysis. 3 Semester Credit Hours.
Introduction to multivariate techniques and measures, including chi-based, lambda, gamma, Spearman’s rho, Pearson’s r, bivariate and partial tables, scatterplots, and regression. Use and interpretation of a statpak and outputs. This course assumes basic competency in upper-level, undergraduate statistics, including measures of central tendency, dispersion, and hypothesis testing using significance levels. Prerequisite(s): Undergraduate or graduate coursework in Criminology or instructor approval.

C JK 501. Advanced Criminology. 3 Semester Credit Hours.
In-depth examination of major theoretical perspectives of crime and deviancy. Theories are analyzed 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 instructor approval.

C JK 502. Philosophy of Law. 3 Semester Credit Hours.
Explores the origin of laws, the purpose of law, and law and morality. Students also learn about different philosophical perspectives influencing law makers, law enforcers, and judicial decision making.

C JK 503. Race and Ethnicity in Criminal Justice. 3 Semester Credit Hours.
This course addresses issues related to racial/ethnic minorities and crime in America. Perceptions of race, class, offending, and victimization are explored. Disparities in offending, victimization, law enforcement practices, trial process, and sentencing are examined in depth.

C JK 505. The Juvenile Justice System. 3 Semester Credit Hours.
A critical analysis of the policies and practices of the juvenile justice system.

C JK 506. Program Evaluation. 3 Semester Credit Hours.
This course is designed to introduce students to what program evaluation is, the need for program evaluations, and the methods used to conduct evaluations.

C JK 507. Homeland Security. 3 Semester Credit Hours.
An in-depth study of 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.

C JK 509. Terrorism. 3 Semester Credit Hours.
Examines the definitions, history, beliefs, practices, organizational structure, and conflicts involved in terrorist activities. Addresses funding and criminal connections with terrorist organizations. Treats efforts at counterterrorism, as well as the psychological aspects of suicide terrorism.

C JK 510. Criminal Justice System. 3 Semester Credit Hours.
A study of the criminal justice system in the United States. This course includes a systems approach to the study of criminal justice and the interrelationships of the various components. The social and political issues related to the criminal justice system are examined in depth.

C JK 511. Regression Analyses. 3 Semester Credit Hours.
Provides an in-depth examination into linear regression, logistic regression, and ordinal logistic regression. Students also learn how to clean data and work with syntax.

C JK 512. Treatment in Corrections. 3 Semester Credit Hours.
This course covers the various types of treatment provided in corrections. Students learn about treatment programs used in correctional institutions and community corrections, with an emphasis on evidence-based treatment.

C JK 515. Special Topics. 3 Semester Credit Hours.
Study of selected topics related to criminal justice. This course may be repeated when topics vary, for additional course credit.

C JK 521. Leadership & Supervision. 3 Semester Credit Hours.
A critical examination of 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.

C JK 522. Advanced CJ Ethics. 3 Semester Credit Hours.
The practical implications of moral philosophy and ethics in a free society during the day-to-day administration of a criminal justice agency are discussed.

C JK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval of advisor. All comprehensive examinations are written, but an oral component may also be required. A maximum of three attempts will be allowed. Thesis student do not take this examination.

C JK 586. Problems in C J. 1-3 Semester Credit Hours.
Independent reading, research, and discussion. Entry into this course is arranged with the School Director. Students may repeat this course for a total of six credit hours.

C JK 597. Thesis. 1-3 Semester Credit Hours.
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.

C JK 598. Advanced Methods. 3 Semester Credit Hours.
The study of social scientific research methods, focusing specifically on criminal justice research. Includes an advanced review of procedures and techniques for research in criminology, law enforcement, courts, and corrections. Students are able to critically examine research designs and published research findings. Prerequisite(s): Undergraduate or graduate course in Research Methods or instructor approval.
Courses

ECOK 301. Intermediate Macroeconomics. 3 Semester Credit Hours.
This course extends the study of the aggregate economy introduced in Economics 2301 with emphasis on theory. Topics include the Classical and Keynesian systems, general equilibrium theories, economic growth, and public policy in a global setting. Prerequisite(s): ECON 2301.

ECOK 302. Inter Microeconomics. 3 Semester Credit Hours.
This course represents a more advanced study of microeconomic theory than is possible in Economics 2302. Topics include consumer behavior, production and cost theory, market structure, and factor markets. Prerequisite(s): ECON 2302.

ECOK 303. Money And Banking. 3 Semester Credit Hours.
(WI) A study of 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. Prerequisite(s): ECON 2301.

ECOK 304. Environmental Economics. 3 Semester Credit Hours.
The study of 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 ECOK.

ECOK 305. Eco Fin Mkts. 3 Semester Credit Hours.
A study of the aggregate financial system and capital markets and the impact these have on financial intermediaries. Topics to be covered are: flow of funds analysis, interest rate theory, role of financial intermediaries, and management of financial assets. Credit for both FINK 304 and ECOK 305 will not be awarded. Prerequisite(s): FINK 301, ECOK 303.

ECOK 306. Political Economy. 3 Semester Credit Hours.
A study of the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both PLSK 306 and ECOK 306 will not be awarded. Prerequisite(s): 3 hours of ECOK and 6 hours of PLSK or instructor’s approval.

ECOK 401. International Economics. 3 Semester Credit Hours.
An introduction to 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 ECOK.

ECOK 402. Eco Development Of U S. 3 Semester Credit Hours.
A survey of the economic development of the United States from colonial times to the present. Credit for both ECOK 402 and HSTK 402 will not be awarded. Prerequisite(s): ECON 1301 or ECON 2301 and 6 hours HSTK.

ECOK 410. Managerial Economics. 3 Semester Credit Hours.
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics include concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FINK 410 and ECOK 410 will not be awarded. Prerequisite Course(s): FINK 301.

ECOK 421. Economic Development Of Rur. 3 Semester Credit Hours.
Economic problems of rural areas in the United States. Review of fundamental causes of economic decline in rural areas. Application of economic principles and theory to problems of rural areas. Evaluation of current methods and public programs for economic development. Application of analytical methods to development problems. Prerequisite(s): ECON 2302.

ECOK 465. Intermediate Economics. 3 Semester Credit Hours.
Seminar discussion of the American free enterprise system, the nation’s economy and its strengths and weaknesses; critical examination of professional journals, articles, books and reports by the government and private sources, designed to enable the student to coordinate and apply the analytical knowledge acquired during the period of study. Prerequisite(s): Macroeconomics and microeconomics, college algebra or MTHK 309 or approval of instructor.

ECOK 508. Managerial Economics. 3 Semester Credit Hours.
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics include concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FINK 508 and ECOK 508 will not be awarded.

ECOK 559. Eco Appl and Issues. 3 Semester Credit Hours.
A study of the掉了学字符，无法完整读取课程内容。
Education

EDUK 300. Wrld Rgnl Geog for Edtrs. 3 Semester Credit Hours.
World Regional Geography for Educators is a required course for a Bachelor of Science degree in Interdisciplinary Studies and for teacher certification. Students must successfully complete this course before attempting the TExES, the teacher certification exam, and before student teaching. Substitutable variations of World Regional Geography are taught at surrounding colleges, but the offerings are inconsistent. Students, therefore, have difficulty sequencing their courses to determine not only a graduation semester to schedule their certification exam.

EDUK 315. Lit Inst for Bilingual Clasrm. 3 Semester Credit Hours.
This course is an examination of students in learner centered schools. Topics include 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.

EDUK 325. Fundamentals of Bilingual and English as a Second Language Education. 3 Semester Credit Hours.
An examination of the history, philosophies, theoretical, and legal foundations regarding Bilingual/English as a Second Language education. The course also includes an examination of the knowledge and skills required to teach English Language Learners, with an emphasis on instructional strategies. Prerequisite(s): EDUK 320.

EDUK 330. Prof Dev II: Effective Instr. 3 Semester Credit Hours.
An examination of the relationship between the state-adopted curriculum, learner-centered proficiencies and best practices. Topics include: the lesson cycle, models of learning, instruction, uses of technology, assessment, classroom management, micro-teaching and field experience. A classroom management lab and documentation of field experiences are required. Prerequisite(s): EDUK 320, admission to the Teacher Education Program.

EDUK 340. Mathematics Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 350. Science Instruction for Classroom 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 mathematics to diverse learners. The students 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.

EDUK 404. Early Childhood Environments. 3 Semester Credit Hours.
A study of all aspects of classroom management, including the physical environment and use of centers for diverse groups of early elementary students. Current issues related to early childhood education will be examined. Students will be expected to demonstrate developmentally appropriate effective teaching practices in field-based setting. Prerequisite(s): Admission to the Teacher Education Program, Application for Practicum, RDGK 384, EDUK 325, EDUK 330, EDUK 340, EDUK 350; Concurrent enrollment in RDGK 409, RDGK 410, and EDUK 420. Field experience fee $75.

EDUK 405. ContArea Inst. BIL Classroom. 3 Semester Credit Hours.
An examination of curriculum requirements as applicable to bilingual education, language concepts and proficiencies needed for teaching language arts, math, science, and social studies in bilingual classrooms. Students will 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 TBLPT – Spanish (Bilingual Target Language Proficiency Test) – Spanish, EDUK 325, EDUK 320 and RDGK 311.

EDUK 415. Elem Curr, Asmt & Instr. 3 Semester Credit Hours.
The implementation of assessment-driven instruction and curricular design in interdisciplin ary contexts. Students will apply their 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. Effective teaching practices, problem based learning and technology applications will be demonstrated. Pre-requisites EDUK 320; EDUK 330 and concurrent enrollment in EDUK 404, RDGK 409 and RDGK 410.

EDUK 420. Language Arts, Fine Arts, and 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 English Language Arts, Social Studies, and Fine Arts 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. F, SP.

EDUK 430. Pro Development III. 3 Semester Credit Hours.
Field-based/practicum experiences are required in school settings where students will 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, EDUK 330 and RDGK 351. Field experience fee $75.

EDUK 435. Issues In Prof Development. 3 Semester Credit Hours.
To be taken with Clinical Teaching. Students synthesize and validate concepts encountered during clinical teaching. Focuses 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 Assignment fee $75.
EDUK 440. Technology Application and Integration for Classroom Teachers. 3 Semester Credit Hours.
This course is designed to develop the capacity of preservice educators to plan, organize, deliver, and evaluate instruction for diverse learners through the effective use and integration of current technology. The use of technology for ethical and professional communication with colleagues, community, and students is also addressed. Prerequisite(s): Admission to Clinical Teaching; successful completion of designated content area Texas Examination of Educator Standards (TExES); concurrent enrollment in EDUK 490 and EDUK 435, or approval of Curriculum & Instruction Program.

EDUK 483. Internship/Clssrm Teaching. 3 Semester Credit Hours.
This internship includes 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. Students are required to conduct a reflective analysis of their teaching performance. May be repeated for credit. Prerequisite(s): Admission to the Teacher Education Program. Field experience fee $75.

EDUK 486. Education Problems. 1-3 Semester Credit Hours.
A course featuring independent research, reading, and discussion under personal direction of instructor, topics vary according to student need. Open to students of junior or senior classification who have been admitted to the Teacher Education Program and with approval of Curriculum & Instruction Program Coordinator.

EDUK 490. Clinical Teaching. 6 Semester Credit Hours.
Clinical Teaching (1-18) Supervised clinical teaching in the public schools at the appropriate level. Students are required to demonstrate proficiency in the application of effective teaching practices and classroom management strategies. Field experience fee $75 Prerequisite(s): Admission to Clinical Teaching and successful completion of designated content area of the Texas Examination of Educator Standards (TExES); Concurrent enrollment in EDUK 435 and EDUK 440*, or approval of Curriculum & Instruction Program Coordinator. * 7-12 math students may take MTHK 315 ion place of EDUK 440.

EDUK 500. Foundations and History of Education. 3 Semester Credit Hours.
This course examines the 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.

EDUK 501. Readings in Prof Development. 3 Semester Credit Hours.
An examination of current issues in the professional development of educators. Topics include 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.

EDUK 502. Cultural Div Schools & Comm. 3 Semester Credit Hours.
An examination of various dimensions of culture related to teaching, learning, and support services in the community. Topics of study will include ethnicity, socio-economic status, language, gender, religion, age, and exceptionality.

EDUK 504. Human Development. 3 Semester Credit Hours.
Increasing the understanding of human behavior with emphasis on the child, adolescent, and adult learner. Development of insight and social and cultural forces in the formation of personality, the self, and roles in group membership.

EDUK 506. Adult Education. 3 Semester Credit Hours.
Examines the 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.

EDUK 511. Methods of Effective Teaching. 3 Semester Credit Hours.
A study of the research on effective teaching practices with an emphasis on direct instruction. Additional topics of study include mastery learning, assessment of learning and use of assessment to guide instruction. Students will apply technology and effective teaching practices to the design and delivery of instruction. Technology lab is required.

EDUK 512. Sem In Lang and Soc Stu. 3 Semester Credit Hours.
An integrated approach to teaching 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.

EDUK 514. Creating and Managing Lear Env. 3 Semester Credit Hours.
A study of the research on creating and maintaining a positive learning environment. Additional topics for study include: cultural dimensions of classroom management; motivating student achievement; fostering cooperation among students; reinforcing appropriate behavior; ethics and law governing teacher-student relations. Students will apply teaching and classroom management practices in a clinical laboratory setting.

EDUK 522. Teach Math and Science. 3 Semester Credit Hours.
An advanced study of 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.

EDUK 538. Curr Design and Impl. 3 Semester Credit Hours.
The curriculum selection, design, implementation, and evaluation processes within the classroom and school district settings are examined. Factors that influence the curriculum decision-making process and a review of theories of curriculum development will be researched. Curriculum alignment and curriculum auditing will be major emphases of this course.

EDUK 545. Advanced Instructional Strategies for Diverse Learners. 3 Semester Credit Hours.
The derivation of appropriate methods and techniques from basic principles of learning. 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.

EDUK 550. Assessment Iss Educ Leaders. 3 Semester Credit Hours.
The examination of assessment as a process with emphasis on assessment of student achievement and on data interpretation for the purpose of improving instruction.

EDUK 555. Effective Instructional Prog. 3 Semester Credit Hours.
An examination of research-based best instructional and curricular practices and the evaluation and enhancement of instructional and curricular programs related to identified best practices.
EDUK 560. The Gifted Learner. 3 Semester Credit Hours.
An in-depth study of the 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.

EDUK 562. Creativity In The Classroom. 3 Semester Credit Hours.
A study of the theories and models of creativity. Emphasis will be given to identifying the creative potential of students in all classrooms. Instructional processes which accommodate the needs of creative learners will be examined and developed. Prerequisite(s): EDUK 560.

EDUK 564. Curr/Mat Dev For Gifted Learn. 3 Semester Credit Hours.
A comparison of regular and gifted curricula with a focus on developing an interdisciplinary curriculum for gifted learners. Students will examine and evaluate existing materials and equipment which support instruction for the gifted in both regular and special programs. One focus will be on developing and evaluating teacher constructed materials. Prerequisite(s): EDUK 560.

EDUK 566. Ins/Eval For Gifted Learner. 3 Semester Credit Hours.
Methods of determining specific learning styles and talents will be learned, with emphasis placed on implementing appropriate instruction for programs. Methods and tools of informal and formal evaluation and assessment will be examined. Prerequisite(s): EDUK 560 and EDUK 564.

EDUK 569. Practicum in Gifted Education. 3 Semester Credit Hours.
Supervises professional activities in gifted and talented programs. Students will be required to demonstrate competence in the process of delivering a synergistic gifted and talented program. Prerequisite(s): Successful completion of EDUK 560, EDUK 562, EDUK 564, and EDUK 566.

EDUK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, upon approval 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.

EDUK 585. 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.

EDUK 586. Special Problems. 1-6 Semester Credit Hours.
Open to graduate students who are capable of developing a problem independently. Problems chosen by the student and approved in advance by the instructor. Prerequisite(s): Graduate major in Education.

EDUK 588. 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): Completion of all other coursework required for the degree and consent of the major professor or approval of the department chair.

EDUK 590. Sel Topics In Edu. 3 Semester Credit Hours.
An examination of different topics each semester with a focus on such subjects as the gifted student, the education of culturally disadvantaged, teacher evaluation, or other selected topics concerning the teaching/learning process. This semester may be repeated for credit as topic changes. Prerequisite(s): Permission of instructor.

EDUK 596. Internship II. 3 Semester Credit Hours.
A supervised field-based experience in classroom teaching. 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; Second semester. Prerequisite(s): EDUK 599.

EDUK 598. Techniques of Research. 3 Semester Credit Hours.
Fundamental concepts and tools of research applied to psychological and educational problems. Rationale of research, analysis of problems, library skills, sampling, appraisal instruments, statistical description and inference, writing the research report, and representative research designs.

EDUK 599. Internship in Teaching. 3 Semester Credit Hours.
A supervised field-based experience in classroom teaching. 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; satisfactory performance in the professional development courses preceding the internship. May be repeated for credit. Field experience fee $75.

Educational Administration

EDAK 500. Found in Educ Leadership. 3 Semester Credit Hours.
The study of the foundations of educational leadership. Lenses of power, influence, ethics, and leadership theory are utilized to compare personal diagnoses of leadership, learning, and personality strengths to the knowledge and skill set needed for leadership of prek-12 schools. An initial assessment of knowledge and skill and development of a professional growth plan are included. Prerequisite(s): MEd/Principal Certificate program admission or department chair approval.

EDAK 501. Research in Educ Leadership. 3 Semester Credit Hours.
The study of the fundamentals of research with emphasis on research terminology, design, methodology, data collection, ethics, psychometric measurement qualities, and quantitative and qualitative research paradigms. The focus is on development of 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 department chair approval.

EDAK 507. Ldrshp of Human Resources. 3 Semester Credit Hours.
The study of programs and procedures in supervision and evaluation of faculty and staff in prek-12 schools. Effective supervisory and evaluation approaches provide the focus 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): EDAK 500, 501, 516, 539, 545, 555, & AEL certification or department chair approval.

EDAK 509. Legal Issues in School Ldrship. 3 Semester Credit Hours.
The study of legal issues impacting the administration of prek-12 schools. The ethical application of legal principles found in relevant constitutional, statutory, administrative, and case law is used to determine operation, organization, and administration of prek-12 schools. Special emphasis is placed on the relationship of state and federal law. Prerequisite(s): EDAK 500, 501, 516, 539, 545, & 555 or department chair approval.
EDAK 510. Special Education Law. 3 Semester Credit Hours.
Legal framework for special education in the United States; consideration of federal constitutional provisions, federal and state statutes, federal and state judicial decisions and rules and regulations for the various federal and state agencies which affect special education.

EDAK 516. Ldrshp of Effect Instruct. 3 Semester Credit Hours.
The study of instructional practice in pre-k-12 schools. The use of data analysis, learning strategies, special programs support, technology integration, and coaching protocols are emphasized in a continuous improvement cycle that ensures equity for and engagement of all students in high levels of authentic learning. Advancing Educational Leadership (AEL), a state-required teacher appraiser certification course, is included. $75 AEL certificate fee. Prerequisite(s): EDAK 500, 501, 539, & 545 or department chair approval.

EDAK 517. Pub Sch Fin Fiscal Mgmt. 3 Semester Credit Hours.
A study of 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 and litigation, budget development, and fiscal policy and accountability. Prerequisite(s): EDAK 518 and EDAK 536 or department chair approval.

EDAK 518. Adm Law & Personnel Adm. 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 department chair approval.

EDAK 519. The Sch Superintendenty. 3 Semester Credit Hours.
A detailed study of 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): EDAK 518 and EDAK 536 or department chair approval.

EDAK 535. Edu Plan and Res Dev. 3 Semester Credit Hours.
The study of strategic planning and the use of district’s major administrative systems and resources – transportation, distribution and food service systems, energy management, health services, security/risk management, and building and equipment needs and operations – to fulfill organizational goals. A sustainable leadership succession process is developed. Prerequisite(s): EDAK 517, EDAK 518, EDAK 519, EDAK 538 or approval of Department Chair.

EDAK 536. Inst Dev and Sch Imp. 3 Semester Credit Hours.
A study of research and state policy affecting instructional improvement on public school campuses. Special emphasis is placed on results-based accountability systems including 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 department chair approval.

EDAK 539. Processes of Edu Leadership. 3 Semester Credit Hours.
The study of effective organizational processes in pre-k-12 schools. Learning organization strategies, exemplary leadership practices, and collaborative action tools are emphasized to support the development of a flexible and creative culture continuously engaged in the systemic work of school improvement. Prerequisite(s): EDAK 500 & 501 or department chair approval.

EDAK 540. 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.

EDAK 542. Ldrshp of Campus Resources. 3 Semester Credit Hours.
The study of school resources in support of school improvement. An integrated continuous improvement process supported by optimal allocation of financial, human, technological, facility, time, and other campus resources provides the focus for development of a safe and engaging school learning environment. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 545, & 555 or department chair approval.

EDAK 545. Ldrshp of Curriculum Systems. 3 Semester Credit Hours.
The study of curriculum systems in pre-k-12 schools. The creation, alignment, integration, implementation, and evaluation of curriculum provide the focus for curriculum leadership and decision making that link student developmental needs with high levels of learning and support teachers in the curriculum implementation process. Prerequisite(s): EDAK 500 & 501 or department chair approval.

EDAK 555. Ldrshp of Diverse Learn Comm. 3 Semester Credit Hours.
The study of diverse pre-k-12 school communities with an emphasis on ethical issues dealing with leadership, governance, and policy development. Processes for identifying and ameliorating issues associated with demographic and cultural differences are utilized to facilitate internal and external community engagement focused on equity and excellence. Prerequisite(s): EDAK 500, 501, 539, & 545 or department chair approval.

EDAK 560. Educ Leadshp Applications. 3 Semester Credit Hours.
The capstone study of the application of leadership theory to campus leadership practice. Critical issues in school leadership are analyzed through culminating experiences focused on the integration of the roles of the principal. Master’s degree comprehensive exam preparation and Principal Practicum planning are included. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 545, & 555 or department chair approval.

EDAK 586. 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.

EDAK 588. 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): Completion of all other coursework required for the degree and consent of the major professor or approval of the department chair.

EDAK 590. Selected Topics In Edu Adm. 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.

EDAK 597. Pract for the Superintendency. 3 Semester Credit Hours.
Demonstration of competence in performance of professional duties through supervised activities in the culminating experience for the MED/Principal Certificate Superintendent Certificate Program. Guided by superintendent mentors and university field supervisors, participants execute a custom action plan for professional growth and school district improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, the typically one-semester course may be repeated one time. Only 3 semester hours of practicum coursework can be used to satisfy certification plan requirements. Field experience fee $75. Prerequisite(s): EDAK 517, EDAK 518, EDAK 519, EDAK 538 or approval of the program coordinator.
EDAK 599. Practicum for Principalship. 3 Semester Credit Hours. Demonstration of competence in performance of professional duties through supervised activities in the culminating experience for the MEd/Principal Certificate program upon approval of program coordinator. Guided by principal mentors and university field supervisors, participants execute a custom action plan for professional growth and school improvement based on state standards and leadership practices. For satisfactory completion of practicum requirements, typically one-semester course may be repeated one time unless the student is meeting probationary principal certification requirements. Only 3 semester hours of practicum coursework can be used to satisfy certification plan requirements. $75 Field Assignment Fee. Prerequisite(s): EDAK 500, 501, 507, 509, 516, 539, 542, 545, 555, 560, and MEd in Educational Leadership department chair approval.

Educational Technology Courses

EDTK 300. Desktop Publish in the CR. 3 Semester Credit Hours. An exploration of applications relating to digital graphics, printing techniques, animation products, and editing tools used in desktop publishing. Students will analyze the K-12 Technology Applications Texas Essential Knowledge and Skills (TEKS) and create a variety of desktop publishing products for use in their future classroom.

EDTK 305. 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): EDTK 300.

EDTK 315. The Technology App Teacher. 3 Semester Credit Hours. Field based opportunities in area schools allow students to observe technology applications teachers at all levels (EC-12) and explore computer lab management in K-12 learning environments. Prerequisite(s): EDTK 305 and EDUK 320.

EDTK 400. Video in the Classroom. 3 Semester Credit Hours. This course will prepare students to teach video, graphics, and animation in K-12 Technology Applications classes. Students will apply tools and techniques for integrated video technology to enhance the learning environment and prepare exemplars and lesson plans for future classroom use. Prerequisite Course: EDTK 315, EDUK 320, admission to Teacher Education Program.

EDTK 405. Web Mastering. 3 Semester Credit Hours. An exploration of the use of Web technology in educational settings. Students will use appropriate technologies and techniques to plan and implement web based instructional products for use in the K-12 classroom. The creation of lesson plans and exemplars appropriate for teaching Technology Applications in Web mastering are required. Prerequisite(s): EDUK 330 and EDTK 400.

EDTK 410. Learning, Leading, Asmt. 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. Prerequisite(s): EDUK 330.

EDTK 549. Educational Media and Tech. 3 Semester Credit Hours. This course provides an examination of the role of technology in school settings and an exploration of available technologies and the applications for instruction. Focus is on Web 2.0 applications for communication and collaboration that expand and extend learning environments.

EDTK 550. Teaching Desktop Publishing. 3 Semester Credit Hours. This course will prepare students to integrate the tools of desktop publishing and graphic applications to successfully demonstrate the knowledge and skills needed to teach Desktop Publishing. Students will explore current research in the area of technology applications. 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. Prerequisite(s): EDTK 549.

EDTK 551. Multimedia Animation: for K12. 3 Semester Credit Hours. This course will prepare students to integrate the tools of multimedia, graphics, and animation to successfully demonstrate the knowledge and skills necessary to teach the Technology Applications Texas Essential Knowledge and Skills (TEKS). Students will explore current research in the area of multimedia and will use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTK 550.

EDTK 552. Teaching K12 Video Technology. 3 Semester Credit Hours. This course will prepare students to integrate the tools of video and animation to successfully demonstrate the knowledge and skills needed to teach the Technology Applications Texas Essential Knowledge and Skills (TEKS). Students will explore current research in the area of video technology and will use technology in communicating, collaborating, conducting research, and solving problems that typically arise in learning environments. Prerequisite(s): EDTK 551.

EDTK 558. Educational Technology Prob. 1-3 Semester Credit Hours. Open to graduate students who are capable of developing a problem independently. Problems must be chosen by the student and approved in advance by the instructor and Curriculum & Instruction Program Coordinator. Prerequisite(s): Full admission to the Office of Graduate Studies and a graduate degree or certification program.

EDTK 559. Leading & Learning w/Technolog. 3 Semester Credit Hours. This course will prepare students to successfully demonstrate the knowledge and skills necessary to teach Web mastering. Students will 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): EDTK 552.

EDTK 586. Educ Technology Problems. 1-3 Semester Credit Hours. Open to graduate students who are capable of developing a problem independently. Problems must be chosen by the student and approved in advance by the instructor and Curriculum & Instruction Program Coordinator. Prerequisite(s): Full admission to the Office of Graduate Studies and a graduate degree or certification program.

English

ENGK 303. 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.
EN GK 304. 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.

EN GK 305. 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.

EN GK 309. Tech Writing & Document Design. 3 Semester Credit Hours.
(WI) 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.

EN GK 310. Tech Writing and Editing. 3 Semester Credit Hours.
(WI) A study of 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, ENGL 309.

EN GK 312. Graphics and Tech Writing. 3 Semester Credit Hours.
This course will examine the integration of graphic components in printed and electronic mediums. Students will 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, ENGL 309.

EN GK 320. 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.

EN GK 330. 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 prior approval of department chair.

EN GK 335. Film Studies. 3 Semester Credit Hours.
A study of movies as dramas involving narrative plot, characterizations, theme, etc and as artistic productions involving shots, cuts, and other film techniques.

EN GK 339. Lit and Film. 3 Semester Credit Hours.
This course introduces students to the relationship between literature and film and the practice of cinematic adaptation.

EN GK 343. 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.

EN GK 350. 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.

EN GK 370. 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 will also be focused 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.

EN GK 372. 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.

EN GK 374. Psycholinguistics. 3 Semester Credit Hours.
Deals with a variety of formal cognitive mechanisms that are relevant to the knowledge and use of natural languages.

EN GK 376. 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.

EN GK 390. Readings in Adolescent Lit. 3 Semester Credit Hours.
Survey of literature with a focus on teenage audiences. Readings will include both classics and contemporary selections. Study will be 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.

EN GK 395. Discourse Theory and Applic. 1 Semester Credit Hour.
Students will receive instruction and training in written discourse theory and practice as appropriate and necessary preparation for tutoring in the University Writing Center and/or the English and Languages Department Language Arts Lab. Students must receive prior approval to enroll. Prerequisite(s): ENGL 1301, ENGL 1302, 6 hours sophomore ENGL, and approval of Writing Program Director and Writing Center Directors.

EN GK 400. 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.

EN GK 411. Studies in Rhetoric and Lang. 3 Semester Credit Hours.
(WI) This course offers advanced study in the theory, nature, and practice of written discourse. Special emphasis is given to helping students investigate language theoretically as a background for their own professional and personal use. Prerequisite(s): ENGL 1301, ENGL 1302, and 6 hours sophomore ENGL.

EN GK 413. Visual Communication. 3 Semester Credit Hours.
(WI) 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. Prerequisite(s): ENGL 309.
EN GK 416. 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 EN GK 305.

EN GK 417. Literary Themes. 3 Semester Credit Hours.
(WI) 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 EN GK 305.

EN GK 418. Literary Period. 3 Semester Credit Hours.
(WI) An in-depth study of one major literary period in literary history. Topic will vary and course can be repeated for credit if taken under a different emphasis. Prerequisite(s): ENGL 1301, ENGL 1302, 3 hours of sophomore literature and EN GK 305.

EN GK 419. 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 EN GK 305.

EN GK 420. Writing for Elec Med. 3 Semester Credit Hours.
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, EN GK 309.

EN GK 430. Grant and Proposal Writing. 3 Semester Credit Hours.
This course offers advances practice in analyzing and writing proposals for businesses, governmental agencies, and/or private foundations.

EN GK 436. 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.

EN GK 437. 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.

EN GK 438. Film Genres. 3 Semester Credit Hours.
This course examines genre 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.

EN GK 439. Film Theory and 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.

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.

EN GK 486. Engl Prosbs. 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 prior approval of department chair.

EN GK 500. 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.

EN GK 510. Studies in Amer Lit. 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.

EN GK 520. Studies in Engl 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.

EN GK 521. 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.

EN GK 530. 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.

EN GK 540. 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.

EN GK 542. 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.

EN GK 550. 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.

EN GK 552. 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.

EN GK 556. Modern Amer and 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.

EN GK 560. Modern Comp 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.

EN GK 570. Studies in Comparative Lit. 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.

EN GK 585. English Seminar. 1-3 Semester Credit Hours.

EN GK 586. Special Problems. 1-3 Semester Credit Hours.
Conference course. Directed independent study under supervision of a senior faculty member.
ENGK 588. Thesis. 1-6 Semester Credit Hours.
Scheduled when student is ready to begin thesis. No credit until thesis is accepted. Prerequisite(s): ENGK 598: Methods of Bibliography and Research Analysis, 24 hours of graduate credit, and prior approval of department coordinator.

ENGK 597. Engl 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.

ENGK 598. Methods of Bib and Res Analys. 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.

Finance

FINK 300. Analysis of Personal Fin. 3 Semester Credit Hours.
This course presents a broad coverage of 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.

FINK 301. Prin of Fin Mgmt. 3 Semester Credit Hours.
An analysis of financial decision-making at the corporate level with emphasis on the maximization of stockholder wealth. Topics covered include 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.

FINK 302. Fin Intermediaries. 3 Semester Credit Hours.
A study of the internal operations of financial intermediaries with major emphasis on organization, source and allocation of funds, supervision, and regulation. Prerequisite(s): FINK 301, ECOK 303.

FINK 303. Money And Banking. 3 Semester Credit Hours.
A study of 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. Prerequisite(s): ECON 2301.

FINK 304. Eco in Fin Mkts. 3 Semester Credit Hours.
A study of the aggregate financial system and capital markets and the impact these have on financial intermediaries. Topics to be covered are: flow of funds analysis, interest rate theory, role of financial intermediaries, and management of financial assets. Credit for both FINK 304 and ECOK 305 will not be awarded. Prerequisite(s): FINK 301, ECOK 303.

FINK 309. Global Hit Fin. 3 Semester Credit Hours.
The course presents a global and long-term overview of socio-economic factors that influence the development of financial instruments, institutions, markets and entrepreneurs. As time permits, we will explore financial crises, which history shows do occur and are often unexpected.

FINK 399. Cooperative Education. 1-3 Semester Credit Hours.
This course is designed to offer students the opportunity to integrate academic study with work experience that is germane to their major or minor. Enrollment requires a two-semester minimum commitment 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. The department Cooperative Education advisor will supervise the student's experience and assign the final grade based on the student's final report which is required to complete the course. Students may participate in the Cooperative Education program for an unlimited number of semesters but a maximum of 6 hours credit may be counted 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 Department Chair approval. Field experience fee $75.

FINK 400. Adv Financial Mgmt. 3 Semester Credit Hours.
An advanced analysis of value-based management techniques with the emphasis on the factor affecting the corporation's quest to maximize shareholder wealth. Topics covered include financial statement analysis, cash flow analysis, economic and market value added securities valuation, the cost of capital, capital budgeting, capital structure, divided policy, and the use of leverage, working capital management, and corporate governance. Prerequisite(s): FINK 301, ACCK 303 and G BK 311.

FINK 401. International Financial Mgmt. 3 Semester Credit Hours.
Issues and questions which concern financial management of international corporations. Analysis of the financing of investment abroad and the management of assets in differing financial environments. The 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): FINK 301 or approval of department chair.

FINK 402. Real Estate Fin. 3 Semester Credit Hours.
(WI) A study of 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): G BK 405 or permission of department chair.

FINK 403. Case Studies in Finance. 3 Semester Credit Hours.
(WI) Capstone course requires students to use fundamental concepts learned in previous finance, accounting, and economics courses to analyze real-world finance problems. Using both structured and unstructured cases, student teams analyze problems and recommend solutions. Argument is presented both orally and in writing. Cases draw from such areas as corporate finance, investments, international finance, and personal finance. Prerequisite(s): ACCK 303.

FINK 404. Investments. 3 Semester Credit Hours.
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): ACCT 2302 or ACCT 2402 and FINK 301.
FINK 405. Fed Tax Acctg. 3 Semester Credit Hours.
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 ACKK 405 and FINK 405 will not be awarded.

FINK 406. Fed Tax Acctg-Adv. 3 Semester Credit Hours.
Current income tax law and tax accounting procedures. Preparation of income tax returns of partnerships and corporations. Prerequisite(s): FINK 405 or approval of School Director. Credit for both ACCK 406 and FINK 406 will not be awarded.

FINK 407. Analysis of Fin Stm. 3 Semester Credit Hours.
This course takes an in-depth look into corporate financial statements and shows how information therein can be analyzed and processed to aid creditors, investors, managers, consultants, auditors, directors, regulators and employees in their business decisions. Students will gain access to a wide array of tools and techniques useful in many fields in finance. Prerequisite(s): FINK 301.

FINK 408. Principles of Insurance. 3 Semester Credit Hours.
This course provides in-depth analysis of the processing, investing, and evaluation of risk management. Students will examine risk management process and its application in commercial risk, personal risk, and public risk. Students will also 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): FINK 301 or permission of department chair.

FINK 410. Mgr Econ. 3 Semester Credit Hours.
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics included concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Credit for both FINK 410 and ECOK 410 will not be awarded. Prerequisite(s): FINK 301.

FINK 484. Internship. 1-6 Semester Credit Hours.
Preapproved and supervised work experience in a finance related position with a public or private organization. May be repeated for a total of 6 credit hours. Prerequisite(s): Fink 301 and approval of Department Chair.

FINK 485. Seminar in Finance. 3 Semester Credit Hours.
An examination of the current issues/topics in Finance. Readings are required 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. Prerequisites(s): 12 credits in FINK course and Approval of Department Chair.

FINK 486. Problems. 1-3 Semester Credit Hours.
A directed study of selected problems in finance. May be repeated with approval department chair. Prerequisite(s): approval of the department chair.

FINK 500. Foundations of Finance. 1 Semester Credit Hour.
An interdisciplinary course that examines principles of accounting, economics, and finance as applied to the contemporary business organization operating in a global market place. Focuses on integration of theory and practice to develop framework for measuring, analyzing, and improving financial performance.

FINK 501. Int'l Fin and Bus Str. 3 Semester Credit Hours.
The course examines 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. There will be readings and case analysis and students will be required to report on research findings. Credit for both FINK 501 and G BK 501 will not be awarded.

FINK 503. Bank Management. 3 Semester Credit Hours.
This course studies bank management and bank regulation. It examines 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.

FINK 504. Investments. 3 Semester Credit Hours.
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): FINK 301 or equivalent.

FINK 505. Case Studies Corp Fin. 3 Semester Credit Hours.
A course designed to use case studies and financial analysis to further the graduate student’s knowledge and ability to make financial management decisions. Selected cases will be assigned for outside the classroom analysis, and preparation of proposed solutions. The classroom will be used to discuss the cases, the student’s proposal for solutions, and desired courses of action. The cases will be such that students will be required to use prior knowledge, current research, and a good deal of analytical ability in preparing their proposals. Prerequisite(s): Graduate standing.

FINK 506. Fin Markets and Institutions. 3 Semester Credit Hours.
This course is intended to give the student a broad coverage of the operation, mechanics, and structure of the financial system within the United States, emphasizing its institutions, markets, and instruments. Monetary policy of the Federal Reserve and its impact upon financial institutions are treated.

FINK 507. Financial Management. 3 Semester Credit Hours.
Course focuses on financial decision making in the modern corporation. Basic issues include capital budgeting, capital structure, corporate sources of funding, dividend policy, and financial risk management, standard theories of risk and return, and valuation of assets. Prerequisite(s): FINK 500 or approval of instructor.

FINK 508. Managerial Economics. 3 Semester Credit Hours.
Applies economic theory and methodology to business and administrative decision-making. The tools of economic analysis are demonstrated and their use in formulating business policies is explained. Topics include concepts of profits, production and cost functions, demand theory, competitive pricing policies, and business criteria for investment output and marketing decisions. Prerequisite(s): Approval of MBA Director. Credit for both FINK 508 and ECOK 508 will not be awarded.

FINK 509. Global History of Finance. 3 Semester Credit Hours.
This course studies the history of money to develop a unified framework for understanding the economic events, public policy, and financial innovation that characterized different geographical settings over time. This level of understanding can provide deeper knowledge of the global environment in which we live and work.
FINK 510. Risk Management. 3 Semester Credit Hours.
A survey course focusing on the theory and practice of private insurance and its economic and social significance. Major types of insurance are examined: life, health, automotive, homeowners, and liability. Various forms of risk management, characteristics of insurance contracts, government regulatory characteristics, and institutional structures are studied. Prerequisite(s): none.

FINK 560. Finance Theory. 3 Semester Credit Hours.
This course provides a general survey of selected theoretical models used in finance. Students should complete this course with an understanding of the seminal theories that make up modern finance and form the basis for current research. Prerequisite(s): FINK 507.

FINK 585. Sem Consumer and Bus Fin. 3 Semester Credit Hours.
This course will cover selected consumer and business finance topics. Examples include debt management, initial public offering of a new business, Internet based finance and regulatory aspects, and management of compensation. Students will be expected to research assigned topics and submit reports. Credit for both FINK 585 and HRMK 585 will not be awarded.

FINK 586. Problems. 1-3 Semester Credit Hours.
This course will cover selected consumer and business finance topics. Examples include debt management, initial public offering of a new business, Internet based finance and regulatory aspects, and management of compensation. Students will be expected to research assigned topics and submit reports. Credit for both FINK 585 and HRMK 585 will not be awarded.

FINK 590. Selected Topics in Finance. 3 Semester Credit Hours.
An examination of different topics in finance from areas such as 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 FINK 301 or FINK 507 or approval of instructor.

Fine Arts

F AK 347. Music History to 1750. 3 Semester Credit Hours.
This course is an overview of the history of western music. The course begins with the earliest musical instruments ever found, proceeding through ancient Mesopotamia, ancient Greece and Rome, and continues through the Medieval, Renaissance, and Baroque periods of European music. Many aspects of this music will be discussed, including theoretical structure, social and historical context, interaction with other art forms, instrumentation, and others.

F AK 349. Music History from 1750. 3 Semester Credit Hours.
This course is an overview of the history of western music. The entire course is two semesters long; the second semester continues the Baroque and proceeds through the Classical, Romantic, and twentieth century periods. Many aspects of this music will be discussed, including theoretical structure, social and historical context, interaction with other art forms, instrumentation, and others.

F AK 350. World Music. 3 Semester Credit Hours.
People throughout the world perform and listen to music as a form of entertainment. But music is also serious business—political, social, religious, artistic and economic. The course introduces the students to ethnomusicology and the cross-cultural study of music and culture. It explores music, performance, and ideas from around the world. The course explores the role of music in human life. 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 AK 401. Arts in Cont Society. 3 Semester Credit Hours.
(WI) An interdisciplinary course which emphasizes the relationships of art, music, and theatre in contemporary society. Class projects and individual research assignments involve analysis and either written or oral reports. Prerequisite Course(s): Senior or advanced junior standing with 18 hours in ART, MUSK, or THEA or approval of Department Chair.

F AK 411. Protest Song in America. 3 Semester Credit Hours.
(WI) Explores the connection between music and social/political movements in the United States from the funding of the nation to the present era with special emphasis on the tumultuous social, economic, and political challenges of the 20th century.

F AK 412. The Blues. 3 Semester Credit Hours.
(WI) The Blues - explores the origins, evolution, and influence of the blues as both a musical and literary art form through its impact on American culture and society.

F AK 421. The Artist on Film. 3 Semester Credit Hours.
(WI) Explores a variety of films and texts about artists as a means to debate and define the stereotypes placed upon artists, analyzing the ways in which the films either clarify or distort the artist's biography, work, and legacy.

F AK 485. Fine Arts Seminar. 1-3 Semester Credit Hours.
Design of course will focus on current topics and issues in fine arts of interest to a group of students. May be repeated twice for credit as topic and/or objectives of the course change.

F AK 486. Problems in Fine Arts. 1-3 Semester Credit Hours.
A course featuring independent reading, research, and discussion under personal direction of instructor. Topics vary according to student need. Prerequisite(s): approval of Department Chair.

General Business

G BK 301. Business Communications and Research. 3 Semester Credit Hours.
(WI) This course is a study and demonstration of the different types of letters and reports utilized in the 21st century business environment. Basic business research and APA citation skills will also be an essential component of the course, as well as presentation fundamentals. This course should be completed in the first semester of enrollment as it is a pre-requisite for most business courses.

G BK 311. Business Statistics. 3 Semester Credit Hours.
Descriptive statistics and the foundations of inferential statistics, including statistical methods of sampling, classifying, analyzing, and presenting numerical data; frequency and sampling distributions, averages, dispersion, hypothesis testing and analyzing up to two populations and population proportions will be the focus of this course. Additionally, students will be introduced to ANOVA, correlations, regression and Chi-Square analyses. Prerequisite(s): MATH 1324 or higher.
G BK 332. Legal Environment of Business. 3 Semester Credit Hours.
The study of principles of law relating to the development and sources of law, dispute resolution, torts, intellectual property, criminal law, ethics, contracts, consumer and international law issues in the 21st century.

G BK 344. Introduction to the Global Business Environment. 3 Semester Credit Hours.
Broad coverage of key concepts and issues in the 21st century global business environment. Emphasis will be placed on political, financial, cultural and regulatory effects on the operations of businesses in the global environment.

G BK 401. Business Ethics. 3 Semester Credit Hours.
This course is designed to provide an examination of contemporary organizational ethical issues and challenges. Emphasis will be placed upon stakeholder management and sustainability, meaning the manager’s corporate social responsibilities to a wide variety of stakeholders. Ethical dilemmas and decision-making frameworks and approaches at the personal, group, organizational and societal levels will be explored. Student engagement in real-world applications through case study analysis is a critical portion of the course. Prerequisite(s): G BK 301, MGTK 301.

G BK 420. Fundamentals of Real Estate. 3 Semester Credit Hours.
An exploration of the nature of real estate; how ownership is held, legal descriptions, encumbrances and liens, title transfer, title records; concepts of home ownership, buying, selling and financial real estate, closing the real estate transaction; real estate taxes and other liens; leases and landlord tenant laws.

G BK 433. Business Law II. 3 Semester Credit Hours.
The study of the principles of law concerning agency, employment, partnerships, corporations, bankruptcy, secured transactions, creditor/ debtor rights, insurance, real and personal property, laws impacting the regulatory environment of business such as consumer protection, environment, anti-trust, and securities law. Prerequisite(s): Junior classification.

G BK 434. Employment Law. 3 Semester Credit Hours.
A study of the laws relating to employment. Includes defining the employer-employee relationship; 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): G BK 332 or MGTK 302.

G BK 459. Business Strategy. 3 Semester Credit Hours.
(WI) A capstone course involving the integration of concepts and principles studied in accounting, economics, finance, management, marketing, quantitative methods, and other relevant disciplines. Includes problem solving and business decision making. Designed to be taken by senior business majors during their last semester. Prerequisite(s): ACCT 2301, ACCT 2302, ECON 2301, FINK 301, G BK 311, MGTK 301 and MKTK 301. A materials fee of $45 is required for needed course materials.

G BK 484. International Business Law. 3 Semester Credit Hours.
A study of international commercial business and the legal environment within which it operates. The study of 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.

G BK 485. Seminar in General Business. 3 Semester Credit Hours.
A study of selected topics dealing with problems or unique needs of business. May be repeated for credit as topics vary. Prerequisite(s): Permission to enroll is required.

G BK 486. Business Problems. 1-3 Semester Credit Hours.
A directed study of selected problems in business. May be repeated with approval of the head of the Department. Prerequisite(s): Senior classification and approval of Dean.

G BK 487. Small Business Consulting. 3 Semester Credit Hours.
Students will develop skill in diagnosing and analyzing problems of actual small business clients and will prepare formal written reports and recommendations for client implementation. Prerequisite(s): Senior classification and approval of Dean.

G BK 489. Global Business Practices. 3 Semester Credit Hours.
The study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities related to the foreign country visited. A required 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. Prerequisite(s): Junior or Senior. G BK 489, MGTK 489, or MKTK 489 may not be taken concurrently. Field assignment fee of $75.

G BK 500. Foundations of Statistics. 1 Semester Credit Hour.
Review of descriptive statistics including tabular, graphical, and numerical methods; review of discrete continuous, and sampling distributions, confidence intervals, hypothesis testing up to two population means and proportions.

G BK 510. Business Research Methods. 3 Semester Credit Hours.
Nature, scope, and significance of business research and research methodology; primary research methods with applications to specific problems, place of quantitative methods in research and individual investigation and report on current problems in student’s field of interest. Prerequisite(s): G BK 500 or approved leveling in statistics.

G BK 512. Managerial Statistics. 3 Semester Credit Hours.
Review of applied descriptive and inferential statistical calculations. Examination of statistics as a decision-making tool under uncertainty; probability, confidence intervals, hypothesis testing, ANOVA, correlation, regression, and ANCOVA are examined in the context of business and organization. Emphasis is on interpretation and application of statistical information. Student will evaluate and interpret data, and report on Current problems in the student’s field of study. Prerequisite(s): G BK 500 or approved leveling in statistics.

G BK 515. International Business Law. 3 Semester Credit Hours.
A study of international commercial business and the legal environment within which it operates. The study of 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. In addition, a research based project will be required. Graduate standing required.

G BK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

G BK 586. Business Problems. 1-6 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 and professor. Approval of Department coordinator.
**Hamk 512. Health Eco, Fin and Accounting. 3 Semester Credit Hours.**
This course provides for the highest cognitive and affective understanding of applied health care, economics, finance and accounting in health services organization. Theoretical frameworks and empirical analyses will be used to emphasize organizational and provider services. These services will be assessed in relation to capacities and competencies within the health care industry and patient/client needs and wants.

**Hamk 513. Health Policy and Law. 3 Semester Credit Hours.**
Focuses on the current policy and future political ideology as both impact care in health organizations. A clinical framework is used to present issued and policy outcomes. It also examines the basic principles and practices of law affecting health facilities and medical practice, patient care and treatment, and medical and health employment.

**Hamk 514. Health Informatics and Trends. 3 Semester Credit Hours.**
This is a survey of the Management Information Systems (MIS) needs in health care organizations. An introduction is presented on the hardware, software, and human systems requirements for operational support. The course provides a foundation for those individuals who are interested in becoming certified as computer systems managers in health care organizations.

**Hamk 515. Health Ethics and Residency. 3 Semester Credit Hours.**
The historical, present and future ethical issues in health administration are examined. Specific domains covered and decision ethics, clinical ethics, business ethics, organizational ethics and social ethics.

**History**

**Hstk 300. Historian's Craft. 3 Semester Credit Hours.**
This course is the gateway to the major in History. It introduces students to the practice and methods of the study of history. Students learn (1) to think historically; (2) to understand how historians construct and write about the past through narratives, theory and analytical discussion; (3) to critically evaluate historical arguments and the material used to substantiate those arguments, including an introduction to the process of peer review; (4) to develop writing and research skills including the interpretation of primary sources; and (5) to master professional standards of presenting their findings. This course is required of all history majors, is a prerequisite for upper level History courses, and must be taken during their first semester at. Prerequisite(s): Open only to declared History majors or by consent of instructor.

**Hstk 310. American Beginnings. 3 Semester Credit Hours.**
(WI) The history of America from first European contact to 1763. The course emphasizes relations between Europeans and Indians, imperial rivalries, and the development of the English mainland colonies. Prerequisite(s): 6 hours of HIST or approval of Department Chair.

**Hstk 311. Creating a Nation. 3 Semester Credit Hours.**
The United States from 1763 to 1815. This course concentrates on the causes and consequences of the American Revolution, the writing of the Constitution, and the triumph of liberal democracy. Prerequisite(s): 6 hours HIST or approval of Department Chair.

**Hstk 312. Age of Jackson 1815-1848. 3 Semester Credit Hours.**
A study of American development during the Jacksonian period with emphasis on the expansion of social and political democracy. Prerequisite(s): 6 hours HIST or permission of Department Chair.
HSTK 313. Civil War and Reconstruction. 3 Semester Credit Hours.  
A study of the events leading to the Civil War and the impact of that war and Reconstruction on American development. Emphasis on social and cultural forces as well as politics. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 315. Pop And Prog, 1877-1917. 3 Semester Credit Hours.  
A survey of turn-of-the-century America, emphasizing the impact of industrialism and urbanism on politics and society. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 316. Military History of US. 3 Semester Credit Hours.  
A study of the role of the military in American development with emphasis on the 20th century. The course will concentrate on the evolution of strategy and tactics, organizational change and civilian-military relations. Prerequisite(s): 6 hours HIST or approval of Department Chair.

HSTK 320. Soc Hist of the US until 1877. 3 Semester Credit Hours.  
The social, cultural, and economic development of the United States from colonial times to the end of Reconstruction. Prerequisite(s): 6 hours HIST or approval of Department Chair.

HSTK 321. Soc Hist of US since 1877. 3 Semester Credit Hours.  
(WI) The social, cultural, and economic development of the United States since the end of Reconstruction. Prerequisite(s): 6 hours of HIST or approval of Department Chair.

HSTK 322. History of Texas. 3 Semester Credit Hours.  
A survey of Texas from the Spanish colonial period to the present with special attention to the Hispanic heritage, the Revolution and Republic, the Civil War and Reconstruction, and the political and economic developments of the modern state.

HSTK 324. Hollywood Westerns & Amer West. 3 Semester Credit Hours.  
This course examines the 20th century American Western history through an examination of Western films, from the early twentieth century to the present day. We will examine the mythic interpretations and historical realities of the American West, and analyze the role of the western in shaping perceptions of the West.

HSTK 325. US Women's Hist to 1877. 3 Semester Credit Hours.  
Study of the history of women in America from the colonial period through 1877, with particular emphasis on women's roles in public and private life, and the historical role of women in the development of the nation.

HSTK 326. US Women's Hist since 1877. 3 Semester Credit Hours.  
Study of the history of women in America from 1877 through the present, with particular 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.

HSTK 327. African Amer Hist to 1877. 3 Semester Credit Hours.  
Study of African American history from the colonial period to 1877, with particular 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.

HSTK 328. Afr Amer Hist since 1877. 3 Semester Credit Hours.  
Study of African American history from the end of Reconstruction to the present, with particular emphasis on black leaders, disfranchisement, lynching and the quest for equality in the mid-twentieth century.

HSTK 329. Church and State. 3 Semester Credit Hours.  
This course is a survey of church-state relations in US history. The course examines the role religion has played in American political life, culture, and society.

HSTK 332. The Renaissance & Reformation. 3 Semester Credit Hours.  
A survey of European political, diplomatic, and cultural history from 1300 to 1648. The course will focus 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 approval of the Department Chair.

HSTK 339. Europe in the Middle Ages. 3 Semester Credit Hours.  
A survey of Medieval Europe from the decline of the ancient world to the eve of the Renaissance. The course examines the political, economic and social changes underlying the formation and development of medieval civilization. Prerequisite(s): 6 hours of HIST or permission of the Department Chair.

HSTK 341. Europe 1814-1919. 3 Semester Credit Hours.  
An analytical survey of important developments in the political, diplomatic, social, economic, and intellectual history of Europe between the Congress of Vienna and the first World War. Topics include 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 the Department Chair.

HSTK 360. Asian Civilization. 3 Semester Credit Hours.  
This course is an interdisciplinary survey of Asian civilizations with a primary focus on the history and cultures of India, China, and Japan. The course examines 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.

HSTK 361. History and Film. 3 Semester Credit Hours.  
This course is an introduction to topics in history through the study of film, with supplementary reading, lectures, and discussions.

HSTK 370. Colonial Latin America. 3 Semester Credit Hours.  
Exploration and colonization of the Spanish and Portuguese dominions in South and Central America; political history of the colonies; the church and colonial institutions; commercial systems of Spain and Portugal; expansion into the North American borderlands; early independence movements. Prerequisite(s): 6 hours of HIST or approval of the Department Chair.

HSTK 371. Mexico before Independence. 3 Semester Credit Hours.  
A survey of Mexican history from the arrival of the first peoples through the end of the Spanish colonial era. Early native civilizations, especially the Maya and Aztec, will be studied as well as the incursion of the Spanish and the conquest and colonization of Mexico.

HSTK 372. History of Mexico, 1821. 3 Semester Credit Hours.  
A survey of 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 approval of the Department Chair.

HSTK 401. United States And The World. 3 Semester Credit Hours.  
(WI) A history of how world events influenced American history from 1789 to the present. The course will discuss American diplomatic 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.

HSTK 402. Eco Development of the U S. 3 Semester Credit Hours.  
A survey of the economic development of the United States from colonial times to the present. Credit for both HSTK 402 and ECOK 402 will not be awarded. Prerequisite(s): ECON 1301 or ECON 2301 and 6 hours HIST.
HSTK 407. History of Careers. 3 Semester Credit Hours.
Examination of 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: 6 hours of history.

HSTK 410. Recent US Hist 1914-Present. 3 Semester Credit Hours.
The history of the United States since 1914. Prerequisite(s): 6 hours HIST or approval of Dean.

HSTK 412. Topics in Women's History. 3 Semester Credit Hours.
(WI) This is an advanced course on the history of American women. May be repeated when topic varies.

HSTK 413. African American History. 3 Semester Credit Hours.
This is an advanced course on African American history. May be repeated when the topic varies. Topics may include important periods, regions, groups, individuals and themes.

HSTK 414. Hist Of Tran-Mississippi West. 3 Semester Credit Hours.
History of the Great West from the Lewis and Clark expedition to the 20th century. 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 HIST or permission of Department Chair.

HSTK 415. Hist Of The South. 3 Semester Credit Hours.
A survey of southern history concentrating on factors which made the region distinct from the rest of the United States, with major emphasis on social and cultural development. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 416. Social Hist of Mod 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 coordinator.

HSTK 417. Topics in Native American Hist. 3 Semester Credit Hours.
This is an advanced course in Native American history. May be repeated when the specific topic varies. Topics may include the examination of specific regions, groups, periods, and/or conflicts.

HSTK 418. Topics in Oral History. 3 Semester Credit Hours.
This is an advanced course in Oral History. It includes instruction in the history, methodology, and analysis of Oral history. May be repeated when the specific topic varies. Topics may include emphasis on individuals from specific regions, members of specific groups, certain periods of the recent past, and/or participants in particular events.

HSTK 423. Hist Russia and Eastern Europe. 3 Semester Credit Hours.
A history of Russia and Eastern Europe from the 18th century, through the Bolshevik Revolution, to the aftermath of the collapse of the Soviet Union. Special emphasis will be placed on an analysis of those forces which led to the downfall of the Soviet system and the problems of adjustment in post-Soviet Russia and Eastern Europe. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 424. National Histories. 3 Semester Credit Hours.
Each time this course is offered, it will examine the history of a particular state. May be repeated for credit when topics vary. Prerequisite(s): 6 hours HIST or approval of Department Chair.

HSTK 425. Europe Intellect and Cult Hist. 3 Semester Credit Hours.
A survey of some of the fundamental ideas in the European intellectual tradition through an analysis of primary texts. The course begins with an examination of the foundations of western thought in the Judeo-Christian and Greco-Roman traditions. The latter half of the course focuses on the ideas and ideologies that have shaped modern European mentalities. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 426. Soc Hist of Mod 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. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 431. World Since 1919. 3 Semester Credit Hours.
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. Events of the latter 20th century receive special emphasis. Prerequisite(s): 6 hours HIST or permission of Department Chair.

HSTK 432. England & Great Britain to 1603. 3 Semester Credit Hours.
A survey of English history from Roman Britain to the death of Queen Elizabeth and the end of the Tudor dynasty. Special emphasis will be in political, legal, and religious changes which formed the foundations of modern England. Prerequisite(s): 6 hours of HIST or approval of the Department Chair.

HSTK 433. Brit Hist 1603-Modern Times. 3 Semester Credit Hours.
A survey of English and British history from 1603 to modern times. Special emphasis will be on constitutional, political, economic, and legal changes. Included as well will be a survey of the empire and the United Kingdom. Prerequisite(s): 6 hours of HIST or approval of the Department Chair.

HSTK 437. Europe, 1919-1945. 3 Semester Credit Hours.
This course examines the period from the Paris Peace conference in 1919 to the end of the Second World War in Europe. Emphasis is on political and economic instability, the rise of the dictatorships, and European diplomatic crises leading to war.

HSTK 441. Rev Europe, 1789-1814. 3 Semester Credit Hours.
An examination of the political, social, economic, and intellectual forces unleashed in the French Revolution and Napoleonic era. The course begins with a study of the Old Regime and ends with the Congress of Vienna in 1814. Topics include the rise of nationalism and liberalism in Europe. 6 hours of HIST or approval of the Department Chair.

HSTK 445. World War II and the Holocaust. 3 Semester Credit Hours.
An examination of European history between the rise of Fascism and Communism after the Great War to the end of World War II in 1945. Topics include European diplomacy in the inter-war year, the conduct of the Second World War, and the Holocaust. Prerequisite(s): 6 hours of HIST or permission of the department chair.

HSTK 450. Special Topics in History. 3 Semester Credit Hours.
A study of important periods, regions, and themes in history. May be repeated when the topic varies.

HSTK 484. Prac, Field Prob, or Intern. 3 Semester Credit Hours.
Supervised professional activities 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. Prerequisite(s): HIST 407. May be repeated once for credit. Field experience fee $75.
HSTK 485. Seminar. 1-3 Semester Credit Hours.
Individual instruction in selected fields of history. The course will stress reports and wide readings in the field selected. Prerequisite(s): Senior classification or approval of Department Chair. May be taken more than once for credit.

HSTK 486. History Problems. 1-6 Semester Credit Hours.
Independent reading, research and discussion. Entry into this course will be arranged with the history counselor.

HSTK 490. Historical Method. 3 Semester Credit Hours.
An examination of 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. A comparison of the social sciences and the humanities focusing on the distinctive nature of the historical discipline as it has developed.

HSTK 495. Concepts of Hist Education. 3 Semester Credit Hours.
This course helps history students seeking teacher certification master the subject areas of the Texas Examination for Educator Standards. Students consider methods and techniques for presenting historical material to secondary students. This course helps students organize the amount of material into a logical framework that helps them to better understand the interplay of people, nations, and cultures through time.

HSTK 499. Senior Research Seminar. 3 Semester Credit Hours.
(WI) This course is designed to develop and apply historical research and writing skills through exploration of topics selected by the instructor. Prerequisite(s): HIST 2311, HIST 2312, HIST 1301, HIST 1302.

HSTK 500. Elements of Historical Inquiry. 3 Semester Credit Hours.
Introduces graduate students to the profession of history, including how historians read sources, post questions, draw inferences, shape their narratives, and engage historical writings.

HSTK 507. Public History Seminar. 3 Semester Credit Hours.
An examination of 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.

HSTK 508. Museum Studies. 3 Semester Credit Hours.
An examination of 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.

HSTK 509. Historic Preservation. 3 Semester Credit Hours.
An examination of historic preservation as an area of professional employment for historians.

HSTK 510. Archival Prin and Practices. 3 Semester Credit Hours.
An examination of the principles and practices of archival management.

HSTK 515. U.S. Foreign Policy since 1945. 3 Semester Credit Hours.
This course explores the U.S. national security and foreign policy since 1945, including the factors affecting policy decisions, the influences on decision makers including history, domestic and bureaucratic processes, and allies, challenges in foreign and security policy, the historical antecedents of contemporary foreign policy challenges, the role of intelligence, intellectuals, the use of force and diplomacy.

HSTK 520. State and Local History. 3 Semester Credit Hours.
Selected problems. Readings and research in Texas history. May be repeated when topics vary.

HSTK 530. Dir Rdg in Amer Hist to 1877. 3 Semester Credit Hours.
Introduces graduate students to 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.

HSTK 531. Dir Read In Am Hist Since 1877. 3 Semester Credit Hours.
Readings and discussions of selected problems. May be repeated for credit when topics vary.

HSTK 532. Sel Topics in Amer Hist. 3 Semester Credit Hours.
Research and writing of papers on selected topics. May be repeated for credit when topics vary.

HSTK 535. Europe since 1945. 3 Semester Credit Hours.
Includes an overview of the main turning points in the history of postwar Europe, with an emphasis on the European integration movement. Other 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.

HSTK 540. Dir Read In European Hist. 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.

HSTK 542. Selected Topics in Europe Hist. 3 Semester Credit Hours.
Research and writing of papers on selected topics. May be repeated for credit when topics vary.

HSTK 543. 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.

HSTK 547. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

HSTK 586. History Problems. 1-6 Semester Credit Hours.
Conference course. Independent reading, research, discussion, under supervision of senior professor.

HSTK 588. 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 HSTK 598 and at least one research seminar, and consent of major professor.

HSTK 598. Historiography & Hist Methods. 3 Semester Credit Hours.
A survey of various "schools" of history with particular emphasis on recent trends and techniques in historical writing. Pre-requisite: HSTK 500 and full admission to the graduate program or approval of instructor.

HSTK 599. Practicum, Field and Intern. 3 Semester Credit Hours.
Supervised professional activities 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. Requires approval of instructor and Department Chair. Field experience fee $75.
Homeland Security

Courses

HLSC 507. Homeland Security. 3 Semester Credit Hours.
An in-depth study of 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.

HLSC 509. Terrorism. 3 Semester Credit Hours.
Examines the definitions, history, beliefs, practices, organizational structure, and conflicts involved in terrorist activities. Addresses funding and criminal connections with terrorist organizations. Treats efforts at counterterrorism as well as the psychological aspects of suicide terrorism.

HLSC 520. Religious Terrorism. 3 Semester Credit Hours.
Critically examines the religious motivations, support, and tactics behind the phenomena of domestic and foreign terrorism. Case studies and histories of specific terrorist organizations will be reviewed. Justifications for violence and terrorist targets will be examined.

HLSC 521. Leadership & Supervision. 3 Semester Credit Hours.
Critical examination of 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.

HLSC 570. Foundations of Information Security. 3 Semester Credit Hours.

Human Resource Management

HRMK 502. 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.

HRMK 503. Managing HR Development. 3 Semester Credit Hours.
Focuses on the management of human resources development training programs. Examines management issues, identifying and responding to training needs, cost/benefit analysis, four-phase evaluation and the selection and development of training staff. Prerequisite(s): Management Leveling.

HRMK 505. Human Resource Law. 3 Semester Credit Hours.
Examines 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.

HRMK 507. HR Consulting and Job Analysis. 3 Semester Credit Hours.
Theories, strategies, operational issues and research related to conducting job analyses. Job description and specification development are examined. Emphasis is placed on using appropriate techniques to acquire measure, assess and use information gathered in the work place. Course also explores and develops consulting skills as used in the HR field. Field projects are used extensively. Prerequisite(s): HRMK 502 or the approval of the instructor.

HRMK 510. The Adult Learning Environment. 3 Semester Credit Hours.
Examines 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.

HRMK 514. Workforce Plan. & Employment. 3 Semester Credit Hours.
Focuses on the legal, ethical and organizational considerations related to recruitment, assessment, selection, placement and appraisal of employees and managers within various types of organizations. Case law serves as a basis for discussing the role of the EEOC, INS, DOL and other enforcement agencies in this critical human resource function. Career development and record-keeping will also be addressed. Prerequisite(s): HRMK 502 or the approval of the instructor.

HRMK 515. Employee Benefits & Services. 3 Semester Credit Hours.
Examines legal, social and technical issues and research surrounding current trends in employee benefit programs. Group health, disability and life insurance, retirement planning, time-off (leave) and wellness programs are addressed. Emphasis is placed on program administration, implementation and evaluation. Prerequisite(s): HRMK 502 or instructor approval.

HRMK 516. Compensation Management. 3 Semester Credit Hours.
Analyzes the theories, concepts, operational practices and research related to managing comprehensive compensation programs. Various types of compensation plans, including job evaluation levels and wage structures are investigated. 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): HRMK 502.

HRMK 524. Employment & Labor Relations. 3 Semester Credit Hours.
Exploration of 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. Labor law and legal issues in labor relations are explored extensively to include the National Labor Relations Act and the functions of the NLRB. Negotiation skills are developed via mock labor contract negotiations. Prerequisite(s): HRMK 502 & HRMK 501 or 505 or concurrent enrollment.

HRMK 555. Internship in HRM. 3 Semester Credit Hours.
Provides work 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 real world, 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 approval of the course instructor. Field experiences fee $75.
HRMK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

HRMK 585. Seminar in HRM. 3 Semester Credit Hours.
Selected topics of current importance to human resource management professionals. May be repeated once for credit when topics vary.

HRMK 586. Problem. 3 Semester Credit Hours.
This course offers students the opportunity to study human resource management topics and perform research within the student’s area of interest as directed by the responsible professor. Prerequisite(s): approval of the department chair.

HRMK 589. Global HRM Practices. 3 Semester Credit Hours.
A study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities in the foreign country visited. 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 the instructor. Field experiences fee $75.

HRMK 595. Professional Issues in HR. 3 Semester Credit Hours.
Examines contemporary professional issues in human resource management. Emphasis is placed 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 studied within the human resource management function (human resource management practices, selection and placement, training and development, compensation management, labor relations and occupational safety, health and security) is required. Prerequisite(s): G BK 510, HRMK 502, HRMK 503, HRMK 505, HRMK 514, HRMK 516, or concurrent enrollment in each.

Human science

Courses
H SK 300. Child Development. 3 Semester Credit Hours.
A survey of the 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 Course(s): Junior classification or approval of department chair.

Liberal Studies

Courses
L SK 300. Intro to Liberal Studies. 3 Semester Credit Hours.
Students will be introduced the major issues in interdisciplinary studies. Students will research how their academic concentrations emerged as distinct disciplines and produce a research paper and presentation of their findings. Prerequisite(s): Junior standing.

L SK 498. Liberal Studies Capstone. 3 Semester Credit Hours.
(WI) 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 will 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 CISK 300; ENGK 309; senior standing, approved degree plan for Bachelor of Science in Liberal Studies program.

L SK 500. Interdisciplinarity. 3 Semester Credit Hours.
Interdisciplinary is a course in which students research, write, and present about how paradigm shifts and paradigm development contribute to the emergence of disciplines and the creation of knowledge. Prerequisite(s): Graduate standing.

Management

MGTK 301. Principles of Management. 3 Semester Credit Hours.
A study of the basic managerial functions of planning, organizing, staffing, directing, and controlling resources to accomplish organizational goals. The systems concept of management and role of the manager in each level of the organization are emphasized.

MGTK 302. Personnel/HRM. 3 Semester Credit Hours.
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): MGTK 301 or approval of Department Chair.

MGTK 303. Supervisory Management. 3 Semester Credit Hours.
Investigates the role, function, and responsibilities of the supervisor in modern organizations through study of sociological and psychological theories in human relations. The primary emphasis is on development of supervisory skills in communications, motivation, discipline, morale, and grievances as they arise in superior-subordinate relationships. Prerequisite(s): MGTK 301 or approval of Department Chair.

MGTK 310. Entrepreneurship I. 3 Semester Credit Hours.
This course concentrates on identifying and evaluating opportunities that may become the foundation for a new business venture. Through experiential learning opportunities, students will apply what they learned. This course requires students to develop a new business venture using the business model canvas. Students will learn to 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.
MGTK 301. Organizational Behavior. 3 Semester Credit Hours.
This course provides a comprehensive analysis of the behavior of people at work in all types of organizations. Topics include 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): MGTK 301 and G BK 301 or G BK 312.

MGTK 402. Productive Relationships. 3 Semester Credit Hours.
A practical and theoretical course dealing with behavior. Emphasis will be on identifying and classifying behavior in order to better understand behavior and to develop strategies for effectively managing interpersonal relationships. Exercises and role playing are used to illustrate major points. Materials fee required. Prerequisite(s): MGTK 301 and G BK 301 or G BK 301.

MGTK 403. Wage & Salary Administration. 3 Semester Credit Hours.
Wage and salary administration in public and private organizations; determinants of general wage and salary levels and structures; total compensation systems, interrelationship among employee performance, intrinsic and extrinsic rewards, perceived equitable payments, employee satisfaction. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 404. Recruit, Select & Placement. 3 Semester Credit Hours.
Recruitment and selection of human resources for organizations; optimal utilization of human resources within organizations; use of tests and other techniques in human resource management. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 405. Human Resource Development. 3 Semester Credit Hours.
Practical and theoretical approaches to training and development of employees in an organization. Topics include organization, role and scope, training and development functions, philosophies, strategies, need analysis, development of program content, methods, materials and techniques, and evaluation and control of the training and development function. Prerequisite(s): MGTK 302 and G BK 312 or G BK 301.

MGTK 406. Employer / Labor Relations. 3 Semester Credit Hours.
Collective bargaining, labor market fundamentals, unionism, and related issues of labor economics. Prerequisite(s): MGTK 301.

MGTK 410. Entrepreneurship II. 3 Semester Credit Hours.
The purpose of this course is to develop the skills required to manage and grow a new venture past the start-up. Students will apply general business concepts to the wide range of challenges facing entrepreneurs. This course draws on a broad range of business disciplines including management, marketing, finance, and accounting to develop the business plan. As such, background knowledge in these areas, as well as good writing skills, is strongly preferred, but not required. Prerequisite(s): MGTK 301 or approval.

MGTK 421. Production & Ops Management. 3 Semester Credit Hours.
Topics covered include: industrial organization, scientific management, planning and control, building locations and layouts, wage rates, corporation relationships, and research. Prerequisite(s): MGTK 301, G BK 311.

MGTK 422. Management Science. 3 Semester Credit Hours.
Application and usage of quantitative techniques of decision-making with an emphasis on managerial needs. Students will learn the discipline of continuous improvement in managerial decision-making. Following the process of problem definition, data gathering and analysis, process improvement, and improvement control, students will be able to make recommendations to improve business results. Prerequisite(s): MGTK 301 and G BK 311.

MGTK 425. Leadership Theory and Practice. 3 Semester Credit Hours.
This course covers an advanced survey of leadership theories and issues, with the emphasis on practical application of newer leadership models in contemporary organizations. Students will explore facets of both leadership and followership, along with the impact of the particular organizational setting and situation. Students will be challenged to explore their own leader, follower and situation analysis skills through active reflection, analysis of case studies, simulations, and popular business press treatment of leadership situations. Prerequisite(s): G BK 301 or 312, MGTK 301.

MGTK 450. Management Information Systems. 3 Semester Credit Hours.
(WI) This course investigates management issues related to business information systems designed to meet the informational needs of the various business subsystems. 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: ACCK 450, CISK 450, or MGTK 450. Prerequisite(s): G BK 301 or G BK 312, MGTK 301.

MGTK 454. International Management. 3 Semester Credit Hours.
A global approach to the study of management to include international dimensions of the marketplace and environment, the role of culture, international strategic management, organizational behavior and human resource management. Prerequisite(s): MGTK 301, G BK 301 or G BK 312, and G BK 344.

MGTK 460. Emergency Management. 3 Semester Credit Hours.
This course presents the theories, principles and approaches to emergency management. The Philosophy of Comprehensive Emergency Management (CEM) is discussed with its four phases of preparedness, mitigation, response, and recovery. An analysis of past disasters is presented along with their attendant policy formations leading to the FEMA all hazards approach.

MGTK 484. Internship. 3 Semester Credit Hours.
Preapproved and supervised work experience in a management related position with a public or private business organization. May be repeated for a total of 6 hours credit. Prerequisite(s): MGTK 301 and approval of Department Chair. Field experiences fee $75.

MGTK 485. Seminar in Management. 3 Semester Credit Hours.
Deals with current issues in management. Readings are required from current management publications and other related periodicals. May be repeated for credit when topics vary. Prerequisite(s): 15 hours in MGTK and or approval of Department Chair.

MGTK 486. Problems. 1-3 Semester Credit Hours.
A directed study of selected problems in management. May be repeated with School Director approval. Prerequisite(s): Senior classification and or approval of Department Chair.

MGTK 489. Global Management Practices. 3 Semester Credit Hours.
A study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities in the foreign country visited. 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 status. G BK 489, MGTK 489, or MKTK 489 may not be taken concurrently. Field assignment fee of $75.
MGTK 500. Foundations of Management. 1 Semester Credit Hour.  
This course is intended to be a leveling course in the principles of management for students entering graduate business programs. Emphasis will be on fundamental frameworks and terminology related to the roles and functions of managers in organizations, how organizations function in the broader environment, and strategies for managerial problem-solving. Case analysis techniques are a component of the course.

MGTK 501. Organizational Behavior. 3 Semester Credit Hours.  
Behavioral theory in organizational context. A study of individual and group dynamics in the business environment. Specific emphasis is given to leadership, motivation, communication, employee supervision, and morale. Prerequisite(s): Management Leveling.

MGTK 505. Analytical Meth Mgmt Decision. 3 Semester Credit Hours.  
A study of analytical techniques which may be used to facilitate decisions analysis. Topics include the concept of utility, break-even analysis, network models, linear programming, game theory and computer simulation. Course activity will consist of surveying analytical techniques which may be used to facilitate analysis of alternative decisions and practice in applying the techniques through problem solving. Prerequisite(s): G BK 311 or MTK 300 and graduate standing.

MGTK 506. Inf Org Prod By Interpers Rel. 3 Semester Credit Hours.  
A practical and theoretical course dealing with interpersonal behavior and its influence on organizational productivity. Emphasis will be on identifying and classifying 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. Materials fee required.

MGTK 507. Resp and Ethics of Leadership. 3 Semester Credit Hours.  
An examination of an organization's social and environmental responsibilities to its employees, customers, and other key stakeholder groups. Practical emphasis is given to the case study method for evaluating the performance of various organizations. Establishes 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.

MGTK 508. Analysis & Design of Orgs. 3 Semester Credit Hours.  
Examines theories, processes and "fit" models of organization design. Emphasizes alignment of structure, technology, information systems, reward systems, people and culture, and management processes with organizational goals. Compares and contrasts the flexible, adaptive learning organization with the traditional centralized, standardized, and formalized organization. Prerequisite(s): MGTK 501.

MGTK 509. Seminar on Mgmt & Leadership. 3 Semester Credit Hours.  
Examines and explores the distinctions between management and leadership. Emphasis is on the case study method for examining the applications of leadership principles and theoretical models to varied organizational situations. This course focuses on developing leaders who can effectively deal with the rapidly changing leadership challenges that modern organizations face. 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): MGTK 501, MGTK 508, & MGTK 568 or instructor approval.

MGTK 510. Leadership Development. 3 Semester Credit Hours.  
Leadership is explored through the process of developing oneself as a leader while developing followers. Emphasis is placed upon learning the skills necessary to lead through the ethical use of influence in order to achieve organizational strategic goals. Prerequisite(s): Management leveling.

MGTK 511. Managing Operations & Service. 3 Semester Credit Hours.  
A study of 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. Topics of contemporary relevance will be examined to include supply chain management, enterprise resource planning, time-based competition, and quality improvement. Prerequisite(s): Management and statistics leveling.

MGTK 515. International Management. 3 Semester Credit Hours.  
This course will focus on the cultural aspects of managing organizations. Research, synthesis, and presentation of current and seminal research on the subject of global business cultures and their management will be dominant components. Cross-cultural issues and their impact on leadership and organizational performance will also be addressed. Prerequisite(s): Management leveling.

MGTK 520. Negotiations. 3 Semester Credit Hours.  
The course will cover such topics as distributive negotiation, integrative negotiation, biases and pitfalls in negotiation, building trust, developing a negotiation style, power, persuasion, ethics, creativity and problem solving. The course will be evenly split between theoretical lecture/discussion and practical application/skill development, including in-class role plays and practice "on the street." A materials fee of $40 is required for needed course materials.

MGTK 550. Project Management. 3 Semester Credit Hours.  
This course provides a comprehensive overview of project management. The culture, principles, and basic techniques of project management are addressed using the project life cycle as the primary organizational guideline. The project management functions are explained. Basic tools of project management such as work breakdown structure, scheduling, contracting, earned value analysis, and risk management are explained and demonstrated. A materials fee of $25 is required to support a learning simulation.

MGTK 556. Org Development and Change. 3 Semester Credit Hours.  
Study, research and analysis of pro-active strategies for organizational change using the theories and techniques of applied behavioral science. Examines the 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. A complete, step-by-step, intervention strategy is developed during this course. Prerequisite(s): MGTK 501.

MGTK 577. Comprehensive Exam. 0 Semester Credit Hours.  
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

MGTK 585. Management Seminar. 3 Semester Credit Hours.  
Selected management topics of current importance to business management. May be repeated once for credit when topics vary.
MGTK 586. Problems. 1-6 Semester Credit Hours.
This course offers students the opportunity to study management topics and perform research within the student’s area of interest as directed by the responsible professor. Prerequisite(s): Approval of the Dean.

MGTK 589. Global Management Practices. 3 Semester Credit Hours.
A study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities in the foreign country visited. 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 the instructor. Field experiences fee $75.

MGTK 595. Internship. 3 Semester Credit Hours.
Prepared and supervised work experience in a management-related position with a public or private business organization. May be repeated for a total of 6 hours credit. Prerequisite(s): Approval of Department Chair. Field experiences fee $75.

Marketing

MKTK 301. Marketing. 3 Semester Credit Hours.
Examination of the principles and concepts of marketing goods, services, and intangibles by profit and non-profit organizations in a free enterprise and global economy.

MKTK 312. Public Relations. 3 Semester Credit Hours.
A study of the techniques used in planning public relations programs for businesses, schools, churches, and civic associations. Topics include press relations, crisis management, advertising, speech writing, and campaign activities. MKTK 301 and G BK 301.

MKTK 315. Personal Selling. 3 Semester Credit Hours.
A study of the role and techniques of personal selling as a component of the marketing mix. Prerequisite(s): MKTK 301 or 314 & G BK 301 or 312.

MKTK 316. Consumer Behavior. 3 Semester Credit Hours.
Acquaints students with individual and group behavior of people performing in consumer role. Considers such topics as buying motives, social class, and research techniques in consumer behavior. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 317. Retailing. 3 Semester Credit Hours.
Fundamental operations of retailing, studying of buying practices, pricing, store locations and layout, sales promotions, personnel management, and stock control. Designed to aid the student seeking a general knowledge of the retail field as well as those specializing in Marketing. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 318. Promotional Strategy. 3 Semester Credit Hours.
The study of a controlled, integrated program of promotional variables. Designed 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): MKTK 301 and G BK 301.

MKTK 401. Advertising. 3 Semester Credit Hours.
Analysis of advertising in modern media. Study of the history, design, and effects of advertising. Students will also study the uses of different media for advertising purposes. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 402. Services Marketing. 3 Semester Credit Hours.
Introduce the student to the service environment. An in-depth analysis of the most successful service-oriented industries and firms within the world’s fastest-growing economic sector will be presented. Prerequisite(s): MKTK 301 and G BK 301.

MKTK 415. Marketing Research. 3 Semester Credit Hours.
Familiarizes students with the accurate, objective, and systematic gathering, recording, and analyzing of data about problems relating to marketing goods and services. Prerequisite(s): MKTK 301 and G BK 301 and G BK 311.

MKTK 416. Marketing Management. 3 Semester Credit Hours.
(WI) The application of 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 classification and 9 hours of MKTK.

MKTK 454. International Marketing. 3 Semester Credit Hours.
A global approach to the study of comparative marketing systems, including economic, social, technological, governmental, and political environments as they affect international marketing operations. Prerequisite(s): MKTK 301 and G BK 301 and G BK 344 or approval of Department Chair.

MKTK 484. Marketing Internship. 1-6 Semester Credit Hours.
Pre-approved and supervised experience in a marketing-related position with a public organization or private business. This would entail 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): MKTK 301, Faculty Sponsorship, and Department Chair Approval. Field experiences fee $75.

MKTK 485. Marketing Seminar. 3 Semester Credit Hours.
An examination of the current issues/topics in Marketing. May be repeatable for credit if the topic varies. Prerequisite(s): MKTK 301 and G BK 301 and Instructor Approval.

MKTK 486. Problems. 1-6 Semester Credit Hours.
A directed study of selected problems in marketing. May be repeated with approval of the School Director. Prerequisite(s): Senior classification and approval of Department Chair.

MKTK 489. Global Marketing Practices. 3 Semester Credit Hours.
A study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities in the foreign country visited. 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): Principles of Marketing MKTK 301, Junior or senior status and permission of instructor. G BK 489, MGTK 489, or MKTK 489 may not be taken concurrently.

MKTK 490. Special Topics in Marketing. 3 Semester Credit Hours. (Credit-variable) An examination of current topics in marketing. Readings required from current marketing publications and other related periodicals. May be repeated for credit when topics vary. Prerequisite(s): 9 hours of MKTK.

MKTK 500. Foundations of Marketing. 1 Semester Credit Hour.
This course is intended to be a leveling course in the principles of marketing for students entering graduate business programs. The focus will be on marketing technology, theory, and application.

MKTK 508. Marketing Management. 3 Semester Credit Hours.
Study of the planning and coordination of marketing functions specifically related to product, pricing, promotion, and distribution strategies. Includes case analysis and presentation of results. Prerequisite(s): MKTK 500 or approval of Department Chair.
MKTK 509. Marketing Strategy. 3 Semester Credit Hours.
Develops the role of product, pricing, promotion, and channel and physical distribution in the development of a firm’s integrated marketing program. Cases are used to evaluate and compose alternative courses of action.

MKTK 510. Integrated Marketing Communications. 3 Semester Credit Hours.
This course provides an examination of the concepts associated with Integrated Marketing Communications (IMCs). An experiential learning approach is used, wherein students apply the concepts learned in the classroom to the creation of an IMC campaign for an organization.

MKTK 512. Brand Management. 3 Semester Credit Hours.
For many firms, brands are by far their most valuable assets, but not enough attention has been given to brands. This course is about branding, what it is, how it works, how it acquires and maintains economic and non-economic value. We will explore the origins, power, theory, meaning, relevance and practice of brands, brand development, brand metrics and brand management though an experiential learning approach. Prerequisite(s): MKTK 508 or approval.

MKTK 515. International Marketing. 3 Semester Credit Hours.
A global approach to the study of comparative marketing systems, including economic, social technological, governmental, and political environments as the affect international marketing operations. Graduate students will be required to complete an extensive research project in addition to other course requirements.

MKTK 585. Marketing Seminar. 3 Semester Credit Hours.
Selected marketing topics of current importance to business marketing. May be repeated once for credit when topics vary.

MKTK 586. Problems. 1-3 Semester Credit Hours.
(Credit-variable)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 with the student’s professor. Prerequisite(s): Approval of Department Chair.

MKTK 589. Global Marketing Practices. 3 Semester Credit Hours.
A study of basic international business concepts, cultural literacy, and discipline specific content are then applied to practical experiences and activities in the foreign county visited. 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 Course: Admission into a COBA graduate program and permission of the instructor. Field experiences fee $75.

Marriage and Family therapy

Courses

MFTK 501. Introduction of MFT Theory. 3 Semester Credit Hours.
An introduction to historical development, theoretical and empirical foundations of systems theory including a survey of the major models of marriage, couple and family therapy.

MFTK 502. Adv Marriage&Fam Ther Theory. 3 Semester Credit Hours.
An overview of the contemporary therapeutic directions in the field of marriage and family therapy. This course also includes an in-depth examination of the core competencies for marriage and family therapists.

MFTK 507. Ethics in MFT. 3 Semester Credit Hours.
Provides an overview of 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.

MFTK 509. Assmnt&Treatmnt of Diverse Fam. 3 Semester Credit Hours.
An overview of 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. Assessments will focus on the use of genograms and treatment will focus on effectively helping multi-stressed families.

MFTK 513. The Person of the Therapist-id. 3 Semester Credit Hours.
This course explores the identification and the development of the person of the therapist, which serves to hone the students’ skills in the use of themselves in their therapy.

MFTK 520. Pre-Practicum. 3 Semester Credit Hours.
This course is oriented towards those students who are preparing for field placement. It is designed to provide interviewing and training skills in the Marriage and Family Therapy program. Marriage and Family Therapists in training are expected to gain an understanding of the role of the therapist, how clients change, and basic therapeutic strategies. Students will be exposed to basic skills and tools necessary to become competent clinicians. Role playing, videotapes, and use of the video camera will be utilized as part of the learning process. Also, a review of the on-campus clinic policies will be addressed. Prerequisite(s): MFT 501. Field Experience Fee: $75.

MFTK 530. Clinical Practicum I. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision, as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirement as described in the departmental handbook Prerequisite(s): MFTK 501, MFTK 507, MFTK 520. Field Experience Fee $75.

MFTK 550. MFT Research Methods. 3 Semester Credit Hours.
An overview of research methodology, data analysis and the evaluation of research in couple and family therapy. Course will address how research informs Marriage and Family Therapy common factors and evidence based practice.

MFTK 551. Diverse Couples Asmt & Treat. 3 Semester Credit Hours.
An overview of 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): MFTK 501.

MFTK 552. Gender & Sexuality in MFT. 3 Semester Credit Hours.
This course is divided into four learning modules. The first learning module will focus on male and female sexual anatomy. The next two modules will address male and female sexual problems and their treatment. The final module will focus on special issues to take into account in the practice of sex therapy, including cultural diversity, age, disability and illness, sexual abuse and rape.
MFTK 553. Medical Family Therapy. 3 Semester Credit Hours.
This course is designed to prepare marriage and family therapists to work in larger behavioral health systems in a collaborative manner addressing the unique psychosocial problems of individuals, couples, and families with acute and chronic medically related concerns. Additionally, this course reviews the principles of individual diagnosis of mental illness as defined in the DSM and the implications for systematically based treatment.

MFTK 554. Clinical Practicum II. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 554, Field Experience Fee $75.

MFTK 555. Clinical Practicum III. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 554 Field Experience Fee $75.

MFTK 556. Clinical Practicum IV. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 554, MFTK 559. Field Experience Fee $75.

MFTK 557. Clinical Practicum V. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 554, MFTK 559, MFTK 559, MFTK 560. Field Experience Fee $75.

MFTK 558. Group Process in MFT. 3 Semester Credit Hours.
This course involves the study of human relationships in groups, particularly in the group therapy context. The course explores-in theory and through class exercises-the application of various aspects of group dynamics including leadership, motivation, perception, power and decision making.

MFTK 559. Clinical Practicum VI. 3 Semester Credit Hours.
This course will require students to gain clinical experience in marriage and family therapy by providing direct face to face marriage and family therapy services in the on-campus clinic and additional approved practicum sites while under individual and group supervision provided by the Marriage and Family Therapy faculty in conjunction with the onsite supervisors. Students will be expected to demonstrate appropriate levels of competency, which will be assessed through direct supervision, video supervision as well as case conference. Student will be expected to maintain appropriate documentation of their clinical work. Students will be required to meet clinical hour’s requirements as described in the departmental handbook. Prerequisite(s): MFTK 501, MFTK 507, MFTK 520, MFTK 530, MFTK 554 Field Experience Fee $75.

MFTK 560. Clinical Practicum VII. 3 Semester Credit Hours.
This course covers 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): MFTK 501, MFTK 502, MFTK 551.

MFTK 561. Relationship Education. 3 Semester Credit Hours.
This course covers 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): MFTK 501, MFTK 502, MFTK 551.

MFTK 562. Adolescent in Family Therapy. 3 Semester Credit Hours.
This course covers the unique characteristics and symptoms of grief, PTSD and combat related trauma. Additionally, this course will discuss systemic treatment options in order to help clients meet their treatment goals.

MFTK 563. Medical Family Therapy. 3 Semester Credit Hours.
This course will cover the unique characteristics of medical families and will provide an overview of assessment and treatment options for common clinical concerns presented by military families.

MFTK 564. Medical Family Therapy. 3 Semester Credit Hours.
This course covers juvenile delinquency and adolescent substance use through systemic and contextual lens. MFT theories related to juvenile delinquency and adolescent substance use, are examined and compared. Prerequisite(s): MFTK 501, MFTK 502, PSYK 504, MFTK 581.

MFTK 565. Addiction in MFT. 3 Semester Credit Hours.
This course covers a systemic framework for understanding addictions and how they impact the family system. Prerequisite(s): MFTK 501, MFTK 502.
Mathematics

MTHK 300. 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 MTHK 300 and MTHK 350. Prerequisite(s): MATH 1314.

MTHK 301. 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 MTHK including MATH 2413.

MTHK 302. 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 MTHK 302 and MTHK 402 will not be awarded. Prerequisite(s): MATH 2413.

MTHK 303. Concepts of Elem 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.

MTHK 305. Concepts of Elem 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 2413 and 300 and 350. Prerequisite(s): MATH 1314.

MTHK 306. 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 2413.

MTHK 309. Algebraic Function. 3 Semester Credit Hours.
Surveys elements of Algebra with in-depth examination of sets, functions, quadratic equations, polynomials, exponential and logarithmic functions. To fulfill degree requirements for math or for electives, students must earn a grade of C or better. (May be used to fulfill the College Algebra requirement except for teacher education.)

MTHK 310. 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 MTHK 309.

MTHK 311. Probability and 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 either MTHK 305 or elementary probability course.

MTHK 315. Mathematics and Technology. 3 Semester Credit Hours.
Interactive math tools, digital photography and spreadsheets are used in the classroom to provide concrete ways to explore abstract concepts, enhance success for visual learners, and promote higher order thinking skills and to deepen understanding. Software tools include GeoGebra, Maple, Geometer’s Sketchpad and SPSS. Prerequisite(s): MATH 309.

MTHK 332. 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, isomorphism, inverse linear transformations, matrix representations of linear transformations, similarity, direct sums, and canonical forms. Prerequisite(s): MATH 2414.

MTHK 333. 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.

MTHK 350. Principles of Bio-Statistics. 4 Semester Credit Hours.
An introduction to statistical methods that are applied in biology and agriculture. Use of technology and hands-on laboratory assignments are required in this course. This course cannot be counted on a degree program for a mathematics major. Credit cannot be awarded for both MTHK 300 and 350. Prerequisite(s): MATH 1314.

MTHK 360. Numerical Analysis I. 3 Semester Credit Hours.
An introduction to numerical analysis. Topics are be 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 C 5K.

MTHK 370. An Introduction to Linear Programming. 3 Semester Credit Hours.
The topics will include Convexity, Extreme Points, and 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.

MTHK 380. 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.

MTHK 402. 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 will be incorporated where appropriate. Substitutes for MTHK 302 for 4-8 certifying students. Prerequisite(s): MATH 2413.
MTHK 404. 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 MTHK 302 or MTHK 402 or concurrent enrollment.

MTHK 405. 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 be integrated into the curriculum where appropriate. Prerequisite(s): MTHK 305 for EC-6 and 4-8 Mathematics majors; MATH 2413 for all other students.

MTHK 407. 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.

MTHK 409. 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.

MTHK 411. Probability & Statistics II. 3 Semester Credit Hours.
Continuation of MTHK 311 with focus on statistical inference. Topics will include The Central Limit Theorem, Sampling Distributions, Confidence Intervals, Hypothesis Testing, Inferences Based on Two Samples, and an introduction to ANOVA. Prerequisite(s): MTHK 311.

MTHK 420. 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.

MTHK 432. Abstract Algebra. 3 Semester Credit Hours.
(WI) An introduction to abstract algebraic structures, including groups, rings, ideals, polynomial rings, and applications. Prerequisite(s): MTHK 332.

MTHK 486. 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 approval of the School Director for additional credit when fewer than four credits have been earned. Prerequisite(s): Approval of the department chair.

MTHK 488. 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, junior standing and 24 semester hours MATH and department chair approval.

MTHK 490. Math Topics. 3 Semester Credit Hours.
Topics will be selected from areas of mathematics suitable for upper level study. This course may be repeated once, with department chair approval, as topics change. Prerequisite(s): MATH 2414 and 6 hours of advanced MTHK.

MTHK 501. 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): MTHK 300 or MTHK 311 or MTHK 350 or MTHK 505.

MTHK 502. 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.

MTHK 505. Probability And Statistics. 3 Semester Credit Hours.
Topics will be selected from: distributions and stochastic processes, parametric and nonparametric statistics, and time series analysis. Prerequisite(s): MTHK 311.

MTHK 506. 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): MTHK 306 and MTHK 332.

MTHK 508. 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): MTHK 432.

MTHK 509. 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): MTHK 333.

MTHK 511. 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): MTHK 332.

MTHK 512. 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): MTHK 505 or approval of Department Chair.

MTHK 515. 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.

MTHK 520. 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; differentiation and integration. Prerequisite(s): MTHK 409.
MTHK 525. 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.

MTHK 530. Mathematical Modeling. 3 Semester Credit Hours.
An advanced course in mathematical modeling. Topics will be selected from scaling, dimensional analysis, regular and singular perturbation theory, stability theory, and asymptotic analysis. Prerequisite(s): MTHK 306 and MTHK 332.

MTHK 535. 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): MTHK 505.

MTHK 540. 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): MTHK 409.

MTHK 545. 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 I) is intended to provide sufficient background for the student to succeed in passing the Actuarial FM exam.

MTHK 550. 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): MTHK 332.

MTHK 550. Numerical Analysis. 3 Semester Credit Hours.
An advanced study of numerical analysis. Topics will be selected from linear systems, approximation theory, and numerical differential and integral equations, integration theory. Prerequisite(s): MTHK 409 and either MTHK 360 or 6 hours CSK.

MTHK 550. Statistical Reason and Prob. 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 MTHK 311 or equivalent.

MTHK 556. 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.

MTHK 557. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

MTHK 578. 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.

MTHK 580. Topics in Math 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): Approval of Department Chair.

MTHK 586. Adv Special Problems. 1-3 Semester Credit Hours.
Special problems in mathematics. Work may be either theory or laboratory. May be repeated with approval of the Department Chair for additional credit when fewer than four credits have been earned. Prerequisite(s): Approval of Department Chair.

MTHK 588. 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.

MTHK 590. 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): Approval of Department Chair.

MTHK 598. 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 statics, 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 approval of the Department Chair.

Mental Health Counseling

Courses

MHCK 500. Behavioral Statistics. 3 Semester Credit Hours.
Review of descriptive statistics with emphasis on inferential statistics. Includes correlation, one-way and two-way analysis of variance, regression analysis and experimental design. Use of computer software with emphasis on experience with SPSS.

MHCK 501. Research Methods. 3 Semester Credit Hours.
A study of the scientific method of research, types of research and research design. Students are required to review, analyze and interpret research finding in their major field and develop a research project with the assistance of their instructor. Prerequisite(s): MHCK 500 or equivalent graduate statistics course or approval of Department Chair.

MHCK 504. Human Development. 3 Semester Credit Hours.
A lifespan survey of the development of human beings from conception to death. Topics included will be research and theory into physical, cognitive, social and personality development in each of the different age groups: prenatal, infancy, childhood, adolescence, and adulthood. Covers related ethical concerns.
MHCK 505. Practicum I: Field Experience. 3 Semester Credit Hours.
Provides supervised experience in settings such as marriage and family, mental health and/or counseling and guidance placements in the Community Counseling and Family Therapy Center; as well as, other 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): MHCK 550, MHCK 553, MHCK 554, MHCK 557, MHCK 558, and MHCK 591 with a B or better in each course; and consent of the practicum/internship director. Field Experience fee $75.

MHCK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.
Study of 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. Covers related ethical concerns.

MHCK 513. Crisis Intervent & Manage Indv. 3 Semester Credit Hours.
Examination of the dynamics and treatment of situation crises in various settings. Theories and approaches to crisis intervention and management are described and discussed. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 550. Foundations of Counseling. 3 Semester Credit Hours.
Overview of counseling services commonly found in a variety of settings. Includes individual and group counseling, testing career planning and placement, referral, and consultation. Examines related theories and concepts with emphasis on counseling skills, as well as history and ethical and professional issues.

MHCK 551. Career Counseling and Guidance. 3 Semester Credit Hours.
An in-depth study of career counseling and guidance services that focuses on occupational, educational, and personal/social issues for general and special populations. Includes examination of theoretical bases for career counseling and guidance, study of organization and delivery of information through individual and group activities. Covers related ethical concerns. Students will be required to purchase occupational and education information materials.

MHCK 553. Per & Counseling Theory & Appl. 3 Semester Credit Hours.
Surveys and investigates personality and counseling theories with an emphasis on how theories influence practice. Special emphasis on applications to various populations. Includes role plays and other experiential methods. Covers related ethical concerns. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 554. Group Procedure for Counselors. 3 Semester Credit Hours.
An introduction to group therapy and group procedures with special emphasis on the development of group counseling skills with children, adolescents, adults, and special populations. Supervised experience in group memberships is included. Covers related ethical concerns. Prerequisite(s): MHCK 550 and MHCK 557 or approval of Department Chair.

MHCK 556. Introduction to Family Counsel. 3 Semester Credit Hours.
Familiarizes the student with family systems theory as applied to the study of family dynamics, family development, and the resolution of both family and ethical concerns.

MHCK 557. Methods & Practices in Counsel. 3 Semester Credit Hours.
The course is designed to introduce Counseling pre-interns to methodology that goes beyond building basic counseling skills and techniques. The course will also teach students the basics of professional documentation and treatment planning. It will also include legal issues related to counseling and psychological services and introduce basic business practices. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 558. Counsel Persp on Psycho. 3 Semester Credit Hours.
An overview of 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 and treatment alternatives from a counseling perspective. Covers related ethical concerns. Prerequisite(s): MHCK 550 or approval of Department Chair.

MHCK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

MHCK 581. Assess & Eval fundamentals. 3 Semester Credit Hours.
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): MHCK 500 or approval of Department Chair.

MHCK 583. Consultation and Supervision. 3 Semester Credit Hours.
Introduces the 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): MHCK 505, MHCK 550, and MHCK 553.

MHCK 591. Ethical Foundation of Counsel. 3 Semester Credit Hours.
An exploration of the ethical principles of counselors and related codes of ethics. Covers models for ethical decision making and how to apply to counseling practice. Prerequisite(s): MHCK 550.

MHCK 594. Substance Abuse. 3 Semester Credit Hours.
An introduction to addiction counseling. Special attention is given to models of addiction, chemical dependence, process addictions, and co-dependence. Covers related ethical concerns.

MHCK 595. Internship in Counseling. 3 Semester Credit Hours.
Supervised professional activities in counseling where students become familiar with a variety of professional activities and resources. Students are required to 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): MHTK 505 and approval of the Practicum/Internship Director. Field experience fee $75.
MHCK 596. Internship in Counseling II. 3 Semester Credit Hours.
Supervised professional activities in counseling and group counseling.
Major emphasis is placed on the student's involvement in successful practices at the educational level of interest. Students must have met all academic and professional standards of practice before placement. Students are required to complete 300 clock hours, of which at least 120 are direct client contact. Weekly supervision is provided by the on-site supervisor and the faculty supervisor. Prerequisite(s): MHCK 505. Field experience fee $75.

Military Science

Courses

M SK 301. Training Mgt & 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.

M SK 302. Leadership in Sm 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.

M SK 401. 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.

M SK 402. 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.

M SK 405. Intro to Cross Cult 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, M SK 301, M SK 302.

M SK 486. Independent Study. 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 classification. Prerequisite(s): Approval of the department chair.

Music

MUSK 313. 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.

MUSK 324. 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.

MUSK 486. Problems. 1-6 Semester Credit Hours.
(Credit-variable) A directed study of selected problems in music.

MUSI 329. Intermediate and 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 330. Intermediate and 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 333. 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 334. 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 335. 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 337. 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 338. 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 343. 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 359. 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 361. 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 362. 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 363. Form and 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 Piano IV for Music Majors, MUSI 2117 Advanced Sight Singing and Ear Training II, MUSI 2312 Music Theory IV.

MUSI 364. 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 405. 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, and left hand technique, and non-verbal communication, leadership, conducting terminology, transpositions and score reading.

MUSI 407. Advanced Conducting. 2 Semester Credit Hours.
This class is focused on advanced conducting skills.

MUSI 412. 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 426. 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 nonmusical aspects of being a music educator.

MUSI 427. Instrumental and 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 428. Sec. Orchestra and Guitar Methods. 3 Semester Credit Hours.
This course focuses on teaching and procedural methods required to produce a quality orchestra program.

MUSI 498. Senior Recital. 0 Semester Credit Hours.
Senior Recital is a course in which the student prepares for and performs in their senior recital.

Nursing

NURK 300. Professional Transition. 3 Semester Credit Hours.
(WI) Nursing is defined, especially as it relates to promotion and restoration of health. Roles of the nurse are explored, Professional nursing is examined from historical and contemporary perspectives, including the philosophy and theoretical foundations that define professional nursing practice. Students examine personal, professional, and cultural values as influences upon nursing practice. The process of critical thinking and the use of nursing informatics is examined from multiple perspectives.

NURK 304. Nursing Research. 3 Semester Credit Hours.
This introductory nursing research course focuses on improving nursing practice based on evidence discovered in the research process. Methods of data collection and analysis, and the interpretation and use of study findings, are evaluated. The importance of scientific integrity and maintaining ethical standards are highlighted. Prerequisite(s) or Co-requisite: statistics course, NURK 300.

NURK 307. Health Assessment. 3 Semester Credit Hours.
This Health Assessment Course introduces the concepts and techniques of health and cultural assessment of individuals and families across the life span, for use with the nursing Undergraduate Major(s) and Undergraduate Minor(s) process. Emphasis is on history data collection and critical analysis in situations of health, and deviations from health. Practical experiences enable student’s practice of clinical assessment skills, analysis, and decision-making for nursing practice. Prerequisite(s): NURK 300.

NURK 317. Pathophysiology for the RN. 3 Semester Credit Hours.
The focus of this course is on the pathophysiology of frequently encountered conditions seen across the lifespan. Emphasis is placed on etiology, pathogenesis, epidemiology, risk factors, clinical manifestations, preventative & therapeutic measures, and current evidence-based research relevant to commonly occurring diseases.

NURK 330. Care of Older Adults. 3 Semester Credit Hours.
Focus is on risk reduction, disease prevention, and strategies for health promotion, restoration, and maintenance in a vulnerable older population. Emphasis is placed on integrating assessment, data analysis, therapeutic communication, and critical thinking skills to the direct culturally sensitive care of older adults. Prerequisite(s) or Co-requisite: NURK 300.

NURK 405. Individual and Family Care. 4 Semester Credit Hours.
In this course students are expected to synthesize knowledge from previous courses as care is provided to people with complex, unpredictable, or chronic health needs. The student is be self-directed in the development of learning objectives and in using the nursing process for knowledge-based nursing interventions, evaluation of outcomes, and revisions in nursing care to maintain, restore, and promote health of individuals and families or to achieve a peaceful death. Individual clients may be children or adults whose care occurs within the context of a family. Emphasis is placed on the application of research findings for critical thinking in case management; the integration of pathophysiology, psychosocial, and cultural concepts; and professional values to coordinate care in a variety of settings, with quality and continuity. Pharmacology, pain management, crisis intervention and discharge planning are included. Prerequisite(s) or Co-requisite: NURK 300.
NURK 406. Community Health. 5 Semester Credit Hours.
In this course students are introduced to community-based nursing practice and the role of various systems available in individuals, families, and high-risk groups. Issues of health promotion, primary disease prevention, and management of chronic health problems in community settings are will be explored. The focus is on the use of research findings to assess community settings, assessment of the environment of care, and on the needs of vulnerable populations in community settings. Prerequisite(s) NURK 300.

NURK 410. RN Leadership & Management. 4 Semester Credit Hours.
The focus of this course is on the concepts of leadership and management, and their implications for delivery of professional nursing care. Assessment and analysis of a real work problem, assessment of the work environment, and development of a proposed solution, as well as principles of client education are included. Prerequisite(s) or Co-Requisite(s) NURK 300.

NURK 412. Professional Issues for the RN. 2 Semester Credit Hours.
An online course that explores political, legal, ethical, and policy issues affecting the quality of health care delivery and of nursing practice. The responsibility and means by which professional nurses can affect quality are included. Prerequisite(s) NURK 300.

Physics

PHYK 331. 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): MTHK 306, MTHK 333; or concurrent registrations.

PHYK 332. Electromagnetic Field Theory. 3 Semester Credit Hours.
Electrostatics; Laplace's equation; the theory of dielectrics; magneto static fields; electromagnetic induction; magnetic fields of currents; Maxwell's equations. Prerequisite(s): PHYS 2426, MTHK 306 or concurrent registration; MTHK 333 or concurrent registration.

PHYK 333. 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; MTHK 333 or concurrent enrollment.

PHYK 334. 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 MTHK 333, or MTHK 306 or concurrent registration.

PHYK 350. 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.

PHYK 430. 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): MTHK 306, MTHK 333.

PHYK 435. 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): PHYK 334, MTHK 306.

PHYK 488. 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 course(s): Physics major, junior standing and 14 semester hours of physics.

Political Science

Courses

PLSK 301. Political Economy of Globaliza. 3 Semester Credit Hours.
This course provides an overview of the demographic, technological, and economic forces that have come together to shape a more culturally, economically, and politically integrated world. It also examines the hard political and economic choices that must be made in this more intensely competitive environment.

PLSK 302. Elect & Political Parties. 3 Semester Credit Hours.
The study of the electoral process in American national, state, and local political systems. Emphasis is placed on the evolution of the structure and functions of political parties, interest groups, the news media, and other participants in the electoral process.

PLSK 303. Comp State and Local Govt. 3 Semester Credit Hours.
Variations and similarities in the practice of politics and in the administration of government in the states. Particular attention is given to local government and state national relations. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 304. The Executive. 3 Semester Credit Hours.
The study of the organization of executive power in American national, state, and local systems. Emphasis is placed on the evolution of the structure and functions of the Presidency of the United States and national, state, and local bureaucracies, and the role of parties, legislatures, courts, interest groups, and other participants in the executive process. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 305. Legislation. 3 Semester Credit Hours.
The study of the legislative process in American national, state, and local political systems. Emphasis is placed on 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.

PLSK 306. Political Economy. 3 Semester Credit Hours.
A study of the historical, philosophical, and theoretical relationships between the state and the economy. Credit for both PLSK 306 and ECOK 306 will not be awarded. Prerequisite(s): 3 hours of ECOK and 6 hours of PLSK or instructor’s approval.

PLSK 307. Public Administration. 3 Semester Credit Hours.
A survey of the concepts and practices of American public administration. Prerequisite(s): GOVT 2305, GOVT 2306.
PLSK 308. International Politics. 3 Semester Credit Hours. 
(WI) 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.

PLSK 310. Environmental Politics. 3 Semester Credit Hours. 
An introduction to the politics of environmental protection in America. The focus of the course is upon domestic environmental policy with particular attention paid to the federalism in shaping and implementing environmental policies. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 320. Terrorism & Political Violence. 3 Semester Credit Hours. 
A study of the causes of terrorism and other forms of political violence, with particular emphasis on measures of prevention and counter-terrorism.

PLSK 330. Understand Soc Science Rsrch. 3 Semester Credit Hours. 
(WI) Prepares students to understand political science research. Topics covered will include hypothesis testing, measurement, formal modeling, and statistical analysis. Statistical concepts covered include central tendencies and statistical distributions, regression, and maximum likelihood estimation.

PLSK 350. Politics & 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.

PLSK 355. Religion and Politics. 3 Semester Credit Hours. 
This course focuses on the historical 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. Particular attention will be given to the role played by religion in political campaigns, local politics, and interest group activities.

PLSK 401. Constitutional Law I. 3 Semester Credit Hours. 
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.

PLSK 402. Constitutional Law II. 3 Semester Credit Hours. 
The origin and development of constitutional prohibitions as shown by leading U.S. Supreme Court decisions on civil rights, contracts, due process, economic regulation, eminent domain, labor relations, obscenity, political utterance, and religion. Prerequisite(s): PLSK 401.

PLSK 403. Political Theory Through 1789. 3 Semester Credit Hours. 
Philosophical ideas concerning basic political problems from the Greeks to 1789. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 404. Political Theory Since 1789. 3 Semester Credit Hours. 
Philosophical ideas concerning basic political problems since 1789. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 405. Comp Govt & Politics. 3 Semester Credit Hours. 
The government and politics of the major world powers. Examples may be drawn from Asia, Africa, Europe, and the Americas.

PLSK 410. Environmental Policy. 3 Semester Credit Hours. 
An introduction to the politics of environmental protection worldwide. The focus of this course is upon international environmental policy with particular attention paid to the agreements and treaties made by nations to shape and implement environmental policy. Prerequisite(s): GOVT 2305, GOVT 2306.

PLSK 415. Foreign Policy. 3 Semester Credit Hours. 
The study of America's role in the modern world. Particular emphasis is placed on the policy makers, for example, the President, Congress, the State Department, and the Department of Defense, and on external factors such as other nations.

PLSK 416. Conflict Studies. 3 Semester Credit Hours. 
A study of the causes of international and civil conflict, historical changes in the nature of war, and predictions of future conflicts.

PLSK 417. Peace Studies. 3 Semester Credit Hours. 
A seminar on the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

PLSK 420. Weapons of Mass Destruction. 3 Semester Credit Hours. 
Examines the physical and political effects of chemical, biological, and nuclear weapons, with emphasis on issues of deterrence and arms control.

PLSK 421. Civil Wars & Military Interven. 3 Semester Credit Hours. 
A study of the causes, characteristics, and effects of civil wars, with particular emphasis on preventing the resumption of warfare after peace agreements. The effect of military intervention on the outcome and recurrence of civil war is studied in detail.

PLSK 440. Political Ethics. 3 Semester Credit Hours. 
This course compares theories of political ethics from ancient times to the present. Special attention is given to the topics of justice and virtue.

PLSK 441. Freedom and Authority. 3 Semester Credit Hours. 
This course addresses 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.

PLSK 480. Administration of Justice. 3 Semester Credit Hours. 
Analyzes the structure, function, and interrelationship of the components of the criminal justice system at the federal, state, and local levels. The history and philosophy of criminal justice in a democratic society is included.

PLSK 484. Internship. 3,6 Semester Credit Hours. 
Application and integration of academic study and development of skills in a field setting. 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 200 hours of work required for 3 hours of credit. Prerequisite(s): 2.5 overall grade point average, advanced standing, and approval of Program Coordinator. Field experience fee $75.

PLSK 485. Govt Seminar. 3 Semester Credit Hours. 
Independent reading, research, discussion, and paper writing, under personal direction of instructor. Prerequisite(s): Senior classification, 18 hours POLS, or approval of Program Coordinator. May be taken more than once for credit.

PLSK 486. Problems. 1-3 Semester Credit Hours. 
Independent reading, research and discussion. Entry into this course will be arranged with the political science counselor.

PLSK 490. Political Science Capstone Cou. 3 Semester Credit Hours. 
(WI) This course requires students to 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.
PLSK 500. Pol Science Rsrch Methods. 3 Semester Credit Hours.
This course introduces students to elements of research design and statistical analysis. Topics covered include hypothesis-testing, reliability and validity, measures of association, linear regression, and maximum likelihood estimation.

PLSK 501. Political Decision-Making. 3 Semester Credit Hours.
This course introduces students to formal models of political decision-making, including game theory, spatial voting models, decision theory, and collective social choice.

PLSK 502. Constitutional Law. 3 Semester Credit Hours.
This course seeks to predict the resolution of constitutional controversies by examining theories of constitutional interpretation and judicial decision-making in the United States.

PLSK 503. Origins Conservative Pol Thght. 3 Semester Credit Hours.
This course covers the philosophical origins of conservative political thought, focusing on its traditional, statist, and libertarian variants.

PLSK 504. Pol Liberalism and its Critics. 3 Semester Credit Hours.
This course covers the philosophical assumptions and implications of liberalism, examining its internal consistency and the extent to which it withstands challenges from competing systems of political thought.

PLSK 505. American Politics. 3 Semester Credit Hours.
This core graduate seminar examines basic approaches to the study of American Politics, including major works and recent research on this topic.

PLSK 506. Comparative Politics. 3 Semester Credit Hours.
This core graduate seminar examines basic approaches to the study of comparative politics and government, including major works and recent research on this topic.

PLSK 507. International Relations. 3 Semester Credit Hours.
This core graduate seminar examines basic approaches to the study of the politics of international relations, including major works and recent research on the topic.

PLSK 515. Foreign Policy. 3 Semester Credit Hours.
The purpose of this course is to understand foreign policy decisions: how they are made, their consequences, and their ethical implications. The primary focus is on the foreign policy decisions of the United States.

PLSK 516. Conflict Studies. 3 Semester Credit Hours.
A study of the causes of international and civil conflict, historical changes in the nature of war, and predictions of future armed conflicts.

PLSK 517. Peace Studies. 3 Semester Credit Hours.
A seminar on the causes of peace, covering bargaining and war termination, social conflict resolution, international cooperation, and the ethics of peace.

PLSK 518. Terrorism Studies. 3 Semester Credit Hours.
A study of the causes of terrorism and other forms of political violence, with particular emphasis on measures of prevention and counter-terrorism.

PLSK 521. Civil Wars. 3 Semester Credit Hours.
This course examines 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.

PLSK 530. Public Management. 3 Semester Credit Hours.
The practical application of theories of public administration, the study of problems of administrative management in public organizations, and the use of law for administrative decision-making.

PLSK 550. Political Forecasting. 3 Semester Credit Hours.
This course requires students to research and analyze real-world political phenomena and problems. Students will learn and use different approaches to political forecasting, with a focus on formal models of politics.

PLSK 552. General Wars in World History. 3 Semester Credit Hours.
This course assesses 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.

PLSK 555. Int’l Relations of Middle East. 3 Semester Credit Hours.
This course examines the international politics of the Middle East, with particular emphasis on Israel and its regional rivals.

PLSK 556. The Political Culture. 3 Semester Credit Hours.
The study of political culture as it forms and is formed by public policy. Examples may include the culture of environmental policy, bureaucratic policy, foreign policy, and others.

PLSK 557. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

PLSK 558. Govt Seminar. 3 Semester Credit Hours.
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. (PLSK 571/PLSK 521).

PLSK 585. Govt Seminar. 3 Semester Credit Hours.
Supervised professional activities in school administration, counseling, supervision, college or public school teaching, or other public service professions. Major emphasis is placed on the student's involvement in successful practices in the area of professional interest. May be repeated once for credit. Field experience fee $75.

Psychology

PSYK 301. Psychology of Learning. 3 Semester Credit Hours.
An investigation into the major theoretical approaches, concepts and principles, and experimental methods of learning. Prerequisite(s): PSYC 2301 or approval of the department chair.

PSYK 302. Health Psychology. 3 Semester Credit Hours.
An application of psychology principles and techniques to the fields of health and medicine, including emotional, behavioral, cognitive, social, and multidisciplinary factors. The effects of illness and injury on behavior will also be considered. Prerequisite(s): PSYC 2301.
PSYK 303. Educational Psychology. 3 Semester Credit Hours.
An application of psychological theories and principles to teaching and learning. Topics will include theories of human development, learning, and motivation, and how these impact the processes of teaching and learning. The course will also include 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 approval of the department chair.

PSYK 305. Human Cognitive Processes. 3 Semester Credit Hours.
A survey of human cognition and information processing, including perception, attention, memory, reasoning, and problem solving. Also included are the experimental methods and current theories of human cognition. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 307. Human Lifespan. 3 Semester Credit Hours.
Surveys development from conception through adulthood with emphasis on social adaptation of individuals and roles in families, groups, and communities. Cognitive, social, personal and biological factors of the stages of development are included.

PSYK 309. Writing in Psychology. 3 Semester Credit Hours.
(WI) The study of advanced technical communication in psychology. Involves learning and using the current edition of the Publication Manual of the American Psychological Association for formal research reports, literature reviews, grant proposals, and professional articles. Also involves learning to write professional psychological reports. Prerequisite(s): PSYC 2301, ENGL 1301, and ENGL 1302, or approval of the departmental chair.

PSYK 310. Abnormal Psychology. 3 Semester Credit Hours.
An overview of the history, causes, and treatments of deviant behavior. Psychological, social, and physiological factors as they relate to the development of abnormal behavior and its subsequent treatment. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of departmental chair.

PSYK 311. Behav Analysis & Behav Mgmt. 3 Semester Credit Hours.
Examines the basic principles and methods of behavior analysis and behavior management techniques. Includes a 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. PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 315. Human Sexuality. 3 Semester Credit Hours.
This course discusses psychology of sexual behavior, exploring the field’s diversity, controversy, and current research, in a non-judgmental way. The course thoroughly explores the historical, biological, psychological, and relevant social aspects of human sexuality. Prerequisite(s): PSY 2301.

PSYK 320. Psycholinguistics. 3 Semester Credit Hours.
The course emphasizes 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 PSYK 309 or approval of the department chair.

PSYK 330. Stats for the Behavioral Sci. 3 Semester Credit Hours.
Measures of central tendency, variability, and correlation. Applications of statistical inference to research in Psychology. Reliability and validity of psychological tests and measurement. Also included are analysis of variance, multiple analysis of variance, and regression. Prerequisite(s): PSYC 2301 and MATH 1314 or MATH 1342 or approval of the department chair.

PSYK 332. Psychopharmacology. 3 Semester Credit Hours.
A study of the neuroscientific basis of the effects of drugs on behavior. Emphasis will be placed on major antipsychotic, antianxiety, and antidepressant drugs and their clinical use and side effects. Drug abuse such as alcohol, marijuana, and cocaine will also be reviewed. Prerequisite(s): PSYC 2301, 8 hours of lab science, and PSYK 309 or approval of the department chair.

PSYK 335. Prin Resrch for Behav Sci. 4 Semester Credit Hours.
(WI) A study of the 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 309 / ENGK 309 and PSYK 330 or equivalent.

PSYK 350. Personality. 3 Semester Credit Hours.
An introduction to personality, the unique and relatively stable patterns of behavior, thoughts, and feelings that make individual human beings. The different theoretical approaches - psychodynamic, cognitive, behavioral, humanistic, and existential - will be covered and will be related to personality and personality development. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 360. Sport Psychology. 3 Semester Credit Hours.
This course will provide students with an overview of the theories and research related to sport and exercise behavior. Topics to be covered include the history of sport psychology, behavioral principles, anxiety, motivation, leadership, group dynamics, gender, and personality. The course will also be designed to relate these principles to exercise and sport performance. Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department chair.

PSYK 401. Psychological Assessment. 3 Semester Credit Hours.
Principles of psychological testing. Uses and critical evaluation of tests of achievement, intelligence, aptitude, and personality. PSYC 2301, PSYK 309, and PSYK 330, or approval of the department chair.

PSYK 402. 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 and PSYK 309 or approval of the department chair.

PSYK 403. Animal Behavior. 3 Semester Credit Hours.
A survey of the major areas of animal behavior research from a psychological perspective. Research examining 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, PSYK 309, or approval of the department chair.
PSYK 405. Social Psychology. 3 Semester Credit Hours.
Theory and phenomena of social psychology. The effect of social
variables upon the behavior of individuals. Topics to be covered include
socialization, language and communication, prejudice, social attitudes,
attitude change, aggression, prosocial behavior, and group behavior.
Prerequisite(s): PSYC 2301 and PSYK 309 or approval of the department
chair.

PSYK 410. Industrial/Organizational Psy. 3 Semester Credit Hours.
A survey of the 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 PSYK 309 or approval of department chair.

PSYK 412. Biological Found Of Behavior. 3 Semester Credit Hours.
Surveys the biological basis of behavior. Includes an in-depth
examination of the 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. Recent research will also be reviewed. Prerequisite(s): PSYC
2301, 8 hours of lab science and PSYK 309 or approval of department
chair.

PSYK 415. Fundamentals of Program Evaluation. 3 Semester Credit
Hours.
A study of the fundamentals of program evaluation methods used in the
fields of education and human service. Includes selection of appropriate
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 the instructor.

PSYK 420. History Of Psychology. 3 Semester Credit Hours.
Historical analysis of 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 PSYK 309 and
Junior Classification, or approval of Department Chair.

PSYK 425. Motivation. 3 Semester Credit Hours.
Synthesis of theories of motivation with practical applications of
motivating people, such as students or business employees. Course
examines 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): PSYC 2301.

PSYK 450. Forensic Psychology. 3 Semester Credit Hours.
Introduction to forensic psychology and its relation to criminal justice.
Emphasis is on social and cognitive psychology aspects like eyewitness
testimony and courtroom behavior. The course covers psychological
aspects of the legal system such as juvenile justice, competency to stand
trial, and expert psychological testimony. Prerequisite(s): PSYC 2301.

PSYK 486. Problems in Psychology. 1-3 Semester Credit Hours.
Independent reading and research on various topics related to
Psychology. Entry into the course will be arranged by the department
chair.

PSYK 490. Special Topics. 3 Semester Credit Hours.
An examination of different topics each semester with a focus on
contemporary issues in psychology. This course may be repeated for
credit as the topic changes. Senior standing.

PSYK 500. Behavioral Statistics. 3 Semester Credit Hours.
Review of descriptive statistics with emphasis on inferential statistics.
Includes 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.

PSYK 501. Research Methods. 3 Semester Credit Hours.
A study of the scientific method of research, types of research and
research design. Students are required to review, analyze and interpret
research findings in their major field and develop a research project with
the assistance of their instructor. This course should be taken after the
completion of 12 graduate semester hours. Prerequisite(s): PSYK 500 or
equivalent graduate statistics course.

PSYK 502. Social Psychological Processes. 3 Semester Credit Hours.
An in-depth examination of the individual in a social and cultural context.
Topics include: the behavior of groups, the roles of individuals within
groups, and the influence of groups on an individual’s perceptions,
attitudes, emotions, and behavior. Major theories and supporting
research are covered. Includes a selected emphasis on specific topics,
with individual or team projects and/or original research.

PSYK 503. Theories Of Learning. 3 Semester Credit Hours.
Study of 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 approval of the department chair.

PSYK 504. Human Development. 3 Semester Credit Hours.
A lifespan survey of the development of human beings from conception
to death. Topics included will be research and theory into physical,
cognitive, social, and personality development in each of the different age
groups: prenatal, infancy, childhood, adolescence, and adulthood.

PSYK 505. Practicum I: Field Exp. 3 Semester Credit Hours.
Provides 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): CPSK 550, CPSK 553, CPSK 554,
CPSK 557, CPSK 558 (or CPSK 551), and PSYK 581 for LPC and LPA;
CPSK 550, CPSK 509, CPSK 553, CPSK 556, CPSK 557 for LMFT; PSYK
560, PSYK 581, CPSK 553, CPSK 557, CPSK 558 for LSSP; 3.0
GPA; and consent of the Department Chair. Field experience fee $75.

PSYK 511. Culture, Minority, Gender Iss. 3 Semester Credit Hours.
Study of 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.

PSYK 513. Crisis Inter/Mgmt Indiv & Fam. 3 Semester Credit Hours.
Examination of the dynamics and treatment of situational crises in
various settings. Theories and approaches to crisis intervention and
management are described and discussed. Prerequisite(s): CPSK 550 or
approval of the department chair.

PSYK 514. Assess Intell And Achievement. 3 Semester Credit Hours.
Introduces the selection, administration, and interpretation of selected
tests used in the individual measurement of intelligence. Prerequisite(s):
CPSK 558 and PSYK 581, or approval of the department chair. Field
experience fee $75.
PSYK 515. Physiological Psychology. 3 Semester Credit Hours.
An examination of the biological basis of behavior with an emphasis on the structure and biochemistry of the human nervous system. Includes an exploration of the interactive relationships between biological processes, psychopharmacology, genetics, neurological disorders, normal growth and maturation, perception, memory, emotion, stress, mental disorders, consciousness, and communication. Contemporary theories and research are investigated and critiqued.

PSYK 516. Adv Quant Mthds & Exper Design. 3 Semester Credit Hours.
This course provides an overview of advanced statistical techniques to analyze quantitative data resulting from experimental and quasi-experimental research designs. This course is a continuation of PSYK 500 and PSYK 501 and requires students to demonstrate proficiency in the use of SPSS for data analysis. The course reviews One-Way and Two-Factor ANOVA. Other topics include 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. The course emphasizes the integration of multivariate and advanced statistical design with applicable research paradigms. Prerequisite(s): PSYK 500 and PSYK 501.

PSYK 520. History and Systems. 3 Semester Credit Hours.
Historical analysis of the development of the science of psychology from early philosophical theories through the establishment of psychology as a science to modern theoretical positions.

PSYK 521. Evolutionary Psychology. 3 Semester Credit Hours.
In-depth evaluation of the current theories of adaptation with a large focus on how adaptation has influenced social, cognitive and developmental processes in humans. Evidence from cross-cultural studies as well as cross species studies will be reviewed and discussed.

PSYK 522. Psychometrics. 3 Semester Credit Hours.
Systematic treatment of the logic of measurement, including such topics as scaling models, validity, variance and covariance, reliability, theories of measurement error an test construction. Admission to Graduate School or approval of Department Chair.

PSYK 560. Found of School Psychology. 3 Semester Credit Hours.
Introduces the foundations, professional standards, ethics, and laws related to the delivery of school psychological services. Prerequisite(s): admission to graduate school or approval of Department Chair.

PSYK 577. Comprehensive Exam. 0 Semester Credit Hours.
Non-thesis students should register for the comprehensive examination during their final semester of graduate coursework, or upon approval 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.

PSYK 580. Personality Social Assess. 3 Semester Credit Hours.
Instruction and supervision in the assessment of emotional, motivational, interpersonal, and attitudinal characteristics of children and adults. Includes the administration, scoring, and interpretation of many widely-used tests. Prerequisite(s): CPSK 558 and PSYK 581, or approval of the department chair.

PSYK 581. Assessment and Evaluation Fund. 3 Semester Credit Hours.
Examines the 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. Includes evaluations and critiques of published tests and experiential exposure to different types of psychological tests. Prerequisite(s): Admission to the Graduate School.

PSYK 582. Behavior Mgmt And Therapy. 3 Semester Credit Hours.
Examines basic theories of human learning, major approaches to behavior management and therapy and principles of applied behavior analysis. Formal treatment planning application and evaluation of programs for management of specific behavioral/psychological problems. Includes case review and practice in individual interventions.

PSYK 583. Consultation & Supervision. 3 Semester Credit Hours.
Introduces the 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): CPSK 550 or PSYK 560, and CPSK 553, or approval of the department chair.

PSYK 584. Practicum II: Field Exp. 3 Semester Credit Hours.
Continues Practicum I. The field experience will consist of 150 clock hours with 100 client contact hours. Prerequisite(s): PSYK 505, 3.0 GPA, and consent of the department chair. Field experience fee $75.

PSYK 586. Problems. 1-3 Semester Credit Hours.
Directed independent study or research under the supervision of a member of the psychology faculty. Prerequisite(s): graduate standing and approval of department chair.

PSYK 587. Practicum III: Field Exp. 3 Semester Credit Hours.
Continues Practicum II. The field experience will consist of 200 clock hours with 100 client contact hours. Prerequisite(s): PSYK 584, 3.0 GPA, and consent of the department chair. Field experience fee $75.

PSYK 588. Thesis. 1-6 Semester Credit Hours.
An 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): PSYK 500 and PSYK 501 and successful completion of 12 additional credit hours in the degree plan and approval of the Chair of the thesis committee, or Department Chair approval.

PSYK 590. Special Topics. 1-3 Semester Credit Hours.
An examination of different topics each semester with a focus on contemporary issues in counseling. This course may be repeated for credit as the topic changes.

PSYK 595. Internship I. 3 Semester Credit Hours.
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.
PSYK 596. Internship II. 3 Semester Credit Hours.
Continued supervised experience of 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): PSYK 595 and application for internship. Field experience fee $75.

Public Administration Management

Courses

PAMK 501. Introduction to Managing Public Sector Organizations. 3 Semester Credit Hours.
This survey course introduces the key dynamics in managing public sector organizations. The course will be with 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. Prerequisite(s): MGTK 500.

Reading

Courses

RDGK 301. Intro to Children's Lit. 3 Semester Credit Hours.
A survey of literature for children focusing on the use of classic and contemporary texts to promote interest, motivation, & critical reading skills for self-selected reading in the elementary student. Prepares teachers to use texts to emphasize literary genre, text structures, & literary devices as tools for making connections & meaning. Prerequisite(s): Required core ENGL classes for degree. Credit will not be granted for RDGK 301 and ENGL 350.

RDGK 311. Rdg I-Rdg Acquisition Developm. 3 Semester Credit Hours.
Focuses on research-based competencies essential for effective literacy instruction. Surveys characteristics of normal reading development in the emergent/early learner; explores materials, procedures, assessment and instructional methods considered effective in teaching oral language, writing, strategy building for comprehension, vocabulary, and word identification; reviews diagnosis of reading difficulties in the young reader. Prerequisite(s): Completion of or concurrent enrollment in required core and degree ENGL and concurrent enrollment in EDUK 320.

RDGK 351. Content Area Reading. 3 Semester Credit Hours.
(WI) This course provides an understanding of the factors that influence learning from content text and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study strategies, and test-taking skills. Includes ways to modify text for diverse learners. Attention is given to the principles of research-based reading instruction. Must be admitted to the Teacher Ed Program.

RDGK 384. Rdg II-Assess Instr Dev Reader. 3 Semester Credit Hours.
(WI) A field-based course surveying characteristics of the transitional and fluent literacy learner, methods of assessment and instruction for strategy building, comprehension, vocabulary, word identification, TEKS/TAKS. Examines 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): RDGK 311 and Admission to the Teacher Education Program. Concurrent enrollment in EDUK 330.

RDGK 409. Reading Across Curr. 3 Semester Credit Hours.
(WI) Theory and instructional strategies for teaching the writing process in elementary and middle schools. Includes stages of the writing process, issues at the different grade levels, teaching with mini-lessons, early literacy, spelling, and handwriting, developing listening skills, process writing, and the use of children’s literature to teach writing. Prerequisite(s): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 410, and EDUK 404 or EDUK 430.

RDGK 410. Impl Classroom Reading Inst. 3 Semester Credit Hours.
A survey of 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): RDGK 384 and EDUK 330, and concurrent enrollment in RDGK 409 and EDUK 404 or EDUK 430 or approval of Department Chair.

RDGK 570. Literacy Development. 3 Semester Credit Hours.
Models of the reading and writing processes. Includes characteristics of emergent, early, transitional and fluent literacy; instructional strategies in reading and writing; phonics instruction and strategies for teaching English language learners; the essential knowledge and skills in the language arts curriculum. Prerequisite(s): admission to the teacher certification program.

RDGK 571. Adv Strat for Lit Development. 3 Semester Credit Hours.
A study of the research in literacy development from early childhood through adulthood. Course content includes: developing research-based literacy programs from early childhood through adulthood; applying informal diagnostic and remedial procedures for English language learners, elementary, secondary and adult readers; surveying print and non-print materials, including textbooks, trade books and computer software. Prerequisite(s): admission to the alternative teacher certification program.

RDGK 572. Language Arts. 3 Semester Credit Hours.
Examine research and strategies for implementing the reading/writing process in classrooms. Examines integrated curriculum, use of children's literature, classroom management and organization, evaluation, working with diverse learners, and developing support networks. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of Department Chair.

RDGK 573. Foundations of Reading. 3 Semester Credit Hours.
Examines theoretical models of the reading process, historical perspectives on reading instruction, and language learning. Develops an understanding of the construction of reading theory and its relationship to instructional practices. Prerequisite(s): Elementary, secondary, or all-level certification or approval of the department chair.

RDGK 574. Reading Res and Materials. 3 Semester Credit Hours.
Surveys a variety of print and non-print materials including content-area textbooks, trade books, and computer software. Includes evaluation of materials and application of reading principles to instruction in content areas. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.

RDGK 575. Reading Res and Assessment. 3 Semester Credit Hours.
Examines methods and techniques employed in reading research and assessment. Includes a review of research and the development, implementation, and dissemination of classroom research. Explores the application of appropriate diagnostic and correctional procedures for elementary, secondary, and adult learners having difficulty reading. Includes clinical practice. Prerequisite(s): RDGK 573 or 9 hours of undergraduate reading courses or approval of the department chair.
RDGK 576. Org and Adm Reading Prog. 3 Semester Credit Hours.
Surveys state laws, trends and issues related to the administration of
reading programs. Examines instructional issues and reading programs
for pre-K through adult learners. Includes censorship issues, textbook/
test adoption procedures, roles and responsibilities in the reading
program, staff development, and change strategies. Prerequisite(s):
RDGK 573 or 9 hours of undergraduate reading courses or approval of
the department chair.

RDGK 580. Practicum in Reading. 3 Semester Credit Hours.
The Reading Specialist Practicum provides candidates with an
opportunity to 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): RDGK 573, RDGK 574, RDGK 575,
RDGK 576, ENKG 521; two years of creditable classroom teaching
experience.

RDGK 586. Problems. 1-3 Semester Credit Hours.
Directed study of selected problems in reading. Prerequisite(s): Approval
of the department chair.

Religious Studies

Courses
R SK 300. Introduction to Religious Studies. 3 Semester Credit Hours.
Examines religious phenomena from a non-confessional, interdisciplinary
academic perspective, primarily as an aspect of culture in a postmodern,
diversified, global community. Introduction to the concepts used in the
academic study of religion. Surveys the major religious traditions and the
history of the discipline.

R SK 301. Classical Greek Mythology. 3 Semester Credit Hours.
Overview of classical myths and legends pertaining to the Greek
pantheon, heroes, and other supernatural beings and events. Includes
samples of English literature with allusions to classical Greek mythology
as well.

R SK 302. Dead Sea Scrolls. 3 Semester Credit Hours.
Overview of the archaeological discovery of the Dead Sea Scrolls, an
examination and interpretation of content of selected manuscripts, and
a history of the controversies surrounding Scrolls management and
presentation to the academic world.

R SK 303. Hebrew Scriptures. 3 Semester Credit Hours.
Examines the canonical Hebrew scriptures in the light of present-day
scholarship. Focuses on authorship, sources, historical and cultural
milieus, and forms of modern criticism. Selected scriptural passages are
read in English translation; reading competency in the Hebrew language
not required.

R SK 304. World Religions. 3 Semester Credit Hours.
A study of the philosophical, ethical, and social dimensions of the
religions of the world. Focuses on major religions but lesser known ones
may be included. The course will emphasize the diversity of religious
experience and traditions.

R SK 400. Prophets of Ancient Israel. 3 Semester Credit Hours.
Examines various typologies of prophets of Ancient Israel, whether
eponymous ancestor, leader, wonder worker, or literary prophet. Focuses
on traits of prophets in light of their historical and cultural milieus.
Examines the relationship between prophecy or prophets and scribal
culture in the ancient Near East.

R SK 410. Myth and Ritual. 3 Semester Credit Hours.
Examines the religious beliefs and practices of small-scale societies
based upon ethnographic literature.

R SK 412. Psychology of Religion. 3 Semester Credit Hours.
Introduction to the major issues, theories, and psychological approaches
to the study of religion. Illuminates the role of religion in the formation
of meaning systems and as motivation for behaviors. Explores
psychological accounts for religious impulses and phenomena and
addresses the practice of pastoral counseling.

R SK 415. Philosophy of Religion. 3 Semester Credit Hours.
Introduction to the major issues and theories of the philosophical study
of religious concepts and phenomena. Topics include the relationship
between religion and philosophy, concepts of God, religious experience,
miracles, the claims of religions, the problem of evil, and religious ethics.

R SK 420. Religious Terrorism. 3 Semester Credit Hours.
Examines the religious motivations, support, and tactics behind the
phenomena of domestic and foreign terrorism.

R SK 430. Religions of the Middle East. 3 Semester Credit Hours.
Examines the history, beliefs, practices, and conflicts behind the major
religious traditions of Judaism, Christianity, and Islam.

R SK 485. Special Topics. 3 Semester Credit Hours.
Examines major topics in the area of religious studies. May be repeated
for credit when topics vary.

R SK 500. Introduction to Religious Studies. 3 Semester Credit Hours.
Examines religion as an aspect of culture in a postmodern, diversified,
global community. Introduction to the concepts used in the academic
study of religion. Surveys the major religious traditions and the history of
the discipline.

R SK 504. Sociology of Religion. 3 Semester Credit Hours.
A critical examination of religions and religious phenomena from the
perspectives, theories, and methods of sociology. Reviews the major
works of classical theorists such as Durkheim, Weber, and Marx, and
recent theorists such as Berger and Stark.

R SK 510. Anthropology of Religion. 3 Semester Credit Hours.
Examines and critiques the anthropological theories, ethnographies, and
literature pertaining to the study of religious phenomena. Topics include
myth and ritual, altered states, healing and bewitching, and religious
practitioners. This course is cross-listed with ANTK 510, and only one
may be taken for credit.

R SK 512. Psychology of Religion. 3 Semester Credit Hours.
Critically examines the major issues and theories in the psychological
approach to the study of religious phenomena. The literature of theorists
in the field is examined and critiqued. Topics include the contributions
of neuroscience, evolutionary psychology, consciousness research, and
regressive hypnotherapy.

R SK 515. Philosophy of Religion. 3 Semester Credit Hours.
Critically examines the major issues and theories in the philosophical
approach to the study of religious concepts and phenomena. Topics
include the relationship between religion and philosophy, concepts of
God, religious experiences, the problem of evil, and religious ethics.

R SK 520. Religious Terrorism. 3 Semester Credit Hours.
Critically examines the religious motivations, support, and tactics
behind the phenomena of domestic and foreign terrorism. Case studies
and histories of specific terrorist organizations will be reviewed.
Justifications for violence and terrorist targets will be examined.
R SK 590. Special Topics. 3 Semester Credit Hours.
This is a special topics course in Religious Studies. Students may enroll for additional credit hours when topics vary.

Social Science

Courses

SOSK 300. Social Sciences Proseminar. 3 Semester Credit Hours.
Social Science Proseminar is designed for students entering upper level course work in the social sciences. This course provides undergraduates with an introduction to professional communication, upper level writing expectations, and ethics in professional writing.

SOSK 301. Social Sciences Survey. 3 Semester Credit Hours.
An interdisciplinary course emphasizing the relationships of history, political science, economics and the social sciences. Prerequisite(s): 9 hours of HIST, POLS, ECO or SOC.

Social Work

SWKK 300. Methods Skills of Social Work. 3 Semester Credit Hours.
This pre-practice course introduces students to the Generalist Social Work Practice Model. Beginning social work skills introduced include the principles of conducting a helping interview, including initial client contact, attending and listening, empathetic responses, exploration and elaboration, questioning, gaining cooperation, self-disclosure, and termination. Issues of problem-solving with diverse populations and persons from different cultural backgrounds as well as ethical issues of helping relationships are explored. Prerequisite(s): Completion of or concurrent enrollment in SWKK 308.

SWKK 303. Soc Work w/Diverse Populations. 3 Semester Credit Hours.
Theoretical, political, historical, cultural, and economic issues related to diverse populations. An emphasis will be placed on social work practice with oppressed populations. Societal forces that promote discriminatory and oppressive values, beliefs, and attitudes will be examined.

SWKK 306. Social Welfare Policy. 3 Semester Credit Hours.
(WI) A study of social welfare as society’s response to the needs of individuals, groups, and communities; a historical review of policy development reflecting society’s changing values; policy analysis to determine impact on various systems, including populations at risk; role of social policy in promoting social justice and social change. Prerequisite(s): SWKK 307.

SWKK 307. Social Welfare in America. 3 Semester Credit Hours.
Provides a general introduction to human services in the United States and how they have developed over time. Emphasis is 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.

SWKK 308. Introduction to Social Work. 3 Semester Credit Hours.
Focuses on 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. Students do 30 hours of volunteer work with a non-profit community agency as part of the course requirements.

SWKK 312. SWK Research Statistics. 3 Semester Credit Hours.
This course is designed to provide students with the foundation principles and concepts of the scientific method and social science research. Students also learn the basics of statistical data interpretation and critical analysis of research. Topics include: quantitative and qualitative research strategies, research design and methodology, and inferential and descriptive statistics.

SWKK 314. Practice II. 3 Semester Credit Hours.
Focus is on theories and methodologies needed for generalist social work practice with individuals and small groups. Critical evaluation of the value base of the social work profession and basic practice concepts for understanding a variety of intervention models in diverse settings are explored. Prerequisite: Admission to the Social Work Program and completion of SWKK 300.

SWKK 329. Human Behav & Soc Environ I. 3 Semester Credit Hours.
Using systems theory as an organizing perspective, this course provides an integrated look at the bio-psycho-social factors influencing human development. Cultural factors affecting human functioning, as well as implications for social work practice are explored. Prerequisite(s): Completion of or concurrent enrollment in SWKK 300.

SWKK 330. Biol Found of Soc Work Pract. 3 Semester Credit Hours.
Provides an opportunity to explore issues related to human biological functioning as applied to social work practice. Emphasis is placed on functioning of the human body across the lifespan, on healthy living and prevention of illness, and on illness and disabilities (physical and mental) that social workers encounter in clients.

SWKK 339. Human Behav & Soc Environ II. 3 Semester Credit Hours.
This course is a continuation of Human Behavior and Social Environment I with 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. Values and ethical issues related to bio-psycho-social theories are included. Prerequisite(s): SWKK 329.

SWKK 411. Child Welfare. 3 Semester Credit Hours.
This course focuses on the practice of social work in a child welfare context. This course is designed to introduce students to a variety of social work practice settings in child welfare. Past and present child welfare policies and programs will be examined.

SWKK 412. Practice II. 3 Semester Credit Hours.
Focus is on the theory and practice of social change at community, society, and global levels. Models of community organization–community development, social action, and social planning will be emphasized, including methods of resource delivery and redistribution. Prerequisite(s): SWKK 300, SWKK 316.

SWKK 415. Social Work and Mental Health. 3 Semester Credit Hours.
This course provides students with knowledge of assessment based on the current Diagnostic and Statistical Manual of Mental Disorders published by the American Psychiatric Association, psychotropic medications, and social worker roles when interacting with people with mental health issues and with interdisciplinary teams.
SWKK 421. Death and Dying. 3 Semester Credit Hours.
The ramifications of death, including the experiences and rights of the
dying and the significance to those who mourn. Using major sociology
theories, focuses on the meaning to society of the reality and symbolism
of death. Credit for both SWKK 421 and SOCK 421 will not be awarded.
Prerequisite(s): SOCI 1301.

SWKK 422. Field Placement I. 6 Semester Credit Hours.
A field experience that provides the student with the opportunity to
integrate theory and develop skills in an agency-based, educationally
directed, professionally supervised experience in a social work
practice setting. 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 SWKK 300, SWKK
301, SWKK 303, SWKK 316, SWKK 329. Internship fee $125.

SWKK 423. Field Placement II. 6 Semester Credit Hours.
A continuation of SWKK 422 with emphasis on generalist social work
practice and on the interrelationships 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): Completion of SWKK 422 with a grade of C or better. It is
advised that SWKK 424 be taken as a co-requisite. Internship fee $125.

SWKK 432. Social Work Field Instruction. 9 Semester Credit Hours.
A block field placement/internship that provides the student with the
opportunity to integrate theory and develop skills in an agency-based,
educationally directed, professionally supervised experience in a
generalist social work practice setting. A minimum of 450 hours required
to be completed. Prerequisite(s): Acceptance into the field program and
completion of SWKK, SWKK 311, SWKK314, & SWKK 424. Co-requisite
SWKK 433. May not be taken for credit if SWKK 422 or SWKK 423 has
been completed. Taken Internship fee of $175.

SWKK 433. Social Work Field Seminar. 3 Semester Credit Hours.
The Field Seminar is a course taken concurrently with a block field
placement (SWKK 432). It meets three hours per week and serves as
an integrative capstone course for the field placement and social work
program. The course helps students to integrate all aspects of the
curriculum with the field instruction experience. The Field Seminar is
designed to assist the student in the transition from student-learner to
professional social worker. Corequisite: SWKK 432. May not be taken for
credit if SWKK 422 or SWKK 423 has been completed.

SWKK 485. Social Work Seminar. 1-3 Semester Credit Hours.
Intensive studies of 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
classification & approval of the Department Chair.

SWKK 486. Problems in Social Work. 1-6 Semester Credit Hours.
Independent reading and research on various social work-related topics.
Entry into the course will be arranged by faculty member teaching the
course.

Sociology

SOCK 301. Soc of the Family. 3 Semester Credit Hours.
A comparative study of the family as a social institution with emphasis
on formation, functions, maintenance, child rearing, and family
disorganization.

SOCK 303. Race and Ethnic Relations. 3 Semester Credit Hours.
Includes an analysis of relations between dominant groups and minority
groups that make up American society. Theories of race relations and
prejudice, the meaning of racial differences, group conflict, and modes of
accommodation are emphasized.

SOCK 305. Criminology. 3 Semester Credit Hours.
Theories of criminology and significant research on causes, extent, cost
and ecology of crime; police, criminal, and juvenile courts; and prisons
and reformatories. Course also focuses on prevention and rehabilitation.
Credit for both C JK 305 and SOCK 305 will not be awarded.

SOCK 308. Deviant Behavior. 3 Semester Credit Hours.
An examination of the factors and conditions leading to behaviors that
violate and deviate from fundamental social values. The relationship of
personal and social maladjustment is addressed in relation to the various
theories of deviant behavior.

SOCK 310. Sociology of Aging. 3 Semester Credit Hours.
The study of the reciprocal relationship between society and those
considered aged by society, utilizing concepts and theoretical
frameworks applicable to that population group. The course also
examines 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. Credit for both SWKK 310 and SOCK 310
will not be awarded.

SOCK 312. Environmental Sociology. 3 Semester Credit Hours.
(WI) Examines relationships and interactions between society and
the environment. Also examines how the natural world and its
degradation influence the way societies are organized by studying human
communities as part of natural ecosystems. Prerequisite(s): None.

SOCK 320. Social Inequalities. 3 Semester Credit Hours.
This course examines social inequality and categories of difference from
a sociological perspective. Students will interrogate 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. This course will also focus on
economic and labor-based inequality through the lens of contemporary
global processes.

SOCK 330. Social Science Statistics. 3 Semester Credit Hours.
Surveys the application of 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. The application of statistics is made to the following areas:
social work, sociology, criminal justice, political science, and gerontology.
SPSS is utilized for data analysis.

SOCK 340. The Unreal World: Race, Class, & Gender in the Media. 3
Semester Credit Hours.
Examines the interactions of culture and the media with a focus on
representations of race, class, gender, and sexuality. Students will
consider contemporary mass media (film, television, print, digital/
social media) to explore the unique relationship between media content,
the industry that creates it, and audiences whose interpretations and
demands constitute its market.

SOCK 402. Methods Of Soc Research. 3 Semester Credit Hours.
(WI) Principles and methods of social research, including research
design, methods of observation, questionnaires, interviews, and other
sources of social data; qualitative and quantitative techniques of
inference; analysis and research report writing. Limited research studies
and projects will be undertaken by the students.
SOCK 403. Sociological Theory. 3 Semester Credit Hours.
(W) This course examines the major schools of sociological thought, including perspectives from both classic and contemporary sociological theory.

SOCK 404. Sociology of Religion. 3 Semester Credit Hours.
An examination of the basic principles of religion, religious belief, and practice as a sociological concept. Attention will be given to the relationship of religion to the progress and stability of the social order.

SOCK 409. Military Family. 3 Semester Credit Hours.
This course covers the relationship between the work organization and the family in the armed forces of the U.S. This course will further analyze and discuss contemporary issues, situations, problems, and policies relevant to military families using a sociological perspective.

SOCK 410. Sociology of the Body. 3 Semester Credit Hours.
Sociological study of 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.

SOCK 411. Sociology of Sexuality. 3 Semester Credit Hours.
The sociological study regarding how sexuality is perceived, defined, and experienced in the context of society. Further analysis include how sexuality influences our lives, reflected in social norms, attitudes and beliefs, through public and private policies and practices, and social institutions.

SOCK 412. Gender In Society. 3 Semester Credit Hours.
Socialization to sex roles; male/female differences in family, work, and political behavior; male/female inequality; effects of gender in education and religion; and current changes in sex role definitions.

SOCK 413. Soc Development and Change. 3 Semester Credit Hours.
This course focuses on social processes and social problems as they are contained in the highly interdependent world system. Social change and development stresses historical, comparative, and critical perspectives, and addresses the problem of how and why societies and cultures around the world change and whether those changes promote justice, equity, democracy, and development of human potential.

SOCK 420. Social Psychology. 3 Semester Credit Hours.
Using sociological social psychology with an emphasis on symbolic interactionism, this course will focus on the influence of society, groups, culture, and other persons on the attitudes, behavior, and experiences of the individual.

SOCK 485. Sociology Seminar. 1-3 Semester Credit Hours.
Independent reading, research, discussion, and paper writing under personal direction of instructor. Prerequisite(s): Senior classification or approval of Department Chair. May be taken more than once for credit if topics vary.

SOCK 486. Soc Problems. 1-6 Semester Credit Hours.
Independent reading, research and discussion. Entry into this course will be arranged with the sociology counselor.

SOCK 503. Theoretical Sociology. 3 Semester Credit Hours.
This course will focus on the historical development of sociological theory by examining the major works of classical, contemporary, postmodern and modern social theorists.

SOCK 586. Problems in Sociology. 3 Semester Credit Hours.
Independent reading, research, and discussion under the supervision of an instructor. May be repeated as topic varies for up to six hours of credit.

SOCK 590. Special Tpcs in Sociology. 3 Semester Credit Hours.
Selected topics in an identified area of sociology. May be repeated as topics vary.

Spanish

SPNK 300. 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 Courses

ESPK 361. Survey Ex Lrnr. 3 Semester Credit Hours.
The characteristics of exceptional learners and educational programs for individuals with disabilities are surveyed. Additional course content includes the legislation and court cases related to special education and the referral, diagnosis, and placement of exceptional learners. A field experience is required. Prerequisite(s): ESPK 361.

ESPK 462. Spec Rules and Reg for Teacher. 3 Semester Credit Hours.
Laws and litigation that affect the education of students with disabilities are examined. Includes 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): ESPK 361.

ESPK 463. Teach Learners With Learn Dis. 3 Semester Credit Hours.
Learning disabilities are examined with emphasis on history, definition, causation and characteristics. Content includes teaching methods for language, academic, and social skills as well as effective inclusive practices. Strategies for successful collaboration with parents, guardians, paraprofessionals and general education teachers are studied. Field experience required. Prerequisite(s): ESPK 361.

ESPK 464. Tch Learners With Develop Dis. 3 Semester Credit Hours.
Etiology and characteristics associated with deficits in development are studied. Effects of developmental disabilities in the areas of language acquisition and physical, social and emotional functioning are examined. Course content includes 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): ESPK 361.

ESPK 465. Beh Mgmt For Exceptional Learn. 3 Semester Credit Hours.
Information is provided on managing a classroom that includes students with disabilities. Topics include creating 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. Information will also be provided on the typical characteristics associated with emotional disabilities and identification procedures utilized. Field experience required. Prerequisite(s): ESPK 361.

ESPK 466. Curr Methods For Except Learn. 3 Semester Credit Hours.
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.
ESPK 467. Prog For Young Child W/Disabl. 3 Semester Credit Hours.
Study of young children with disabilities aged birth to 6 with an emphasis on the techniques for implementing programs to meet the needs of the child and the family. Early intervention, medical intervention, and public school educational programming for at-risk infants, toddlers, and young children will be addressed as well as parent involvement models to promote optimum parent-child and parent–professional relationships. Emphasis on recent research related to early childhood special education. Field experience required. Prerequisite(s): ESPK 361.

ESPK 486. Special Educations Problems. 1-3 Semester Credit Hours.
A course featuring independent research, reading, application and discussion under personal direction of instructor. Topics vary according to student need. Open to students of junior or senior classification who have been admitted to the Teacher Education Program and with approval of the instructor and Curriculum & Instruction Program Coordinator.

ESPK 505. Introduction to Exceptional Learners. 3 Semester Credit Hours.
A survey of learner characteristics and an examination of instructional techniques that promote academic, personal, and social growth in exceptional learners and an examination of the process and procedures relating to the placement of exceptional learners. Prerequisite(s): 18 hours of professional education, certification, or admission to the graduate teacher certification program at.

ESPK 511. Beh Mgmt in Spec Educ Environm. 3 Semester Credit Hours.
Characteristics of students with emotional disabilities, including the application of behavioral management strategies appropriate for students with emotional and behavioral disabilities. Course content includes: functional assessment of behavior; development of behavior intervention plans; strategies for teaching appropriate behavior; crisis management strategies; integrating behavior management with instructional programs in school, community and home settings. Prerequisite(s): Admission to the graduate teacher certification program.

ESPK 513. Adv Study Learn Disabilities. 3 Semester Credit Hours.
A study of the research on learning disabilities, including causation, diagnosis and educational programming. Course content includes: methods for teaching students with learning disabilities; adapting general education classrooms to accommodate the inclusion of students with learning disabilities; collaboration with parents, paraprofessionals and general education teachers. Students will conduct a case study. Prerequisite(s): Admission to the graduate teacher certification program.

ESPK 515. Adv Study Develop Disabilities. 3 Semester Credit Hours.
A study of research-based instructional methods appropriate for students with developmental disabilities. Course content includes: the 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; vocational planning and preparation. Prerequisite(s): Admission to the graduate teacher certification program.

ESPK 525. Appraisal Except Learners. 3 Semester Credit Hours.
Standardized assessment of the academic achievement of students referred for or currently receiving special education services including test administration, analysis, and reporting of scores, and program planning. Prerequisite(s): PSYK 501 or concurrent enrollment or approval of Curriculum & Instruction Program Coordinator.

ESPK 528. Case Mgmt Educ 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): ESPK 525.

ESPK 529. 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): PSYK 581 or approval of Curriculum & Instruction Program Coordinator.

ESPK 599. Intern Educ Diagnost. 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): ESPK 505, ESPK 525, and ESPK 529 or approval of Curriculum & Instruction Program Coordinator. Field experience fee $75.
Lower Level and General Education Courses

The courses listed in this section are NOT offered at A&M-Central Texas. The courses listed here are for informational use only.

- General Education / Lower Level Courses - A (p. 298)
- General Education / Lower Level Courses - B (p. 298)
- General Education / Lower Level Courses - C (p. 298)
- General Education / Lower Level Courses - E (p. 299)
- General Education / Lower Level Courses - F (p. 300)
- General Education / Lower Level Courses - G (p. 300)
- General Education / Lower Level Courses - H (p. 300)
- General Education / Lower Level Courses - L (p. 301)
- General Education / Lower Level Courses - M (p. 301)
- General Education / Lower Level Courses - P (p. 302)
- General Education / Lower Level Courses - S (p. 303)
- General Education / Lower Level Courses - T (p. 303)

General Education Courses - A

Accounting

ACCT 2301. Prin of Accounting I-Financial. 3 Semester Credit Hours.
ACCT 2302. Prin of Accounting II-Managerial. 3 Semester Credit Hours.

Anthropology

ANTH 2351. Cultural Anthropology. 3 Semester Credit Hours.

General Education Courses - B

Basic Computer Science

BCIS 1301. Microcomputer Applications. 3 Semester Credit Hours.

Biology

BIOL 1411. General Botany. 4 Semester Credit Hours.
BIOL 1413. General Zoology. 4 Semester Credit Hours.
BIOL 2301. Anatomy & Physiology I. 3 Semester Credit Hours.
BIOL 2401. Anatomy and Physiology I. 4 Semester Credit Hours.
BIOL 2402. Anatomy and Physiology II. 4 Semester Credit Hours.
BIOL 2421. Microbiology. 4 Semester Credit Hours.

Business

BUSI 1301. Business Principles. 3 Semester Credit Hours.

General Education Courses - C

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.

CHEM 2323. Organic Chemistry I (Lecture). 3 Semester Credit Hours.
Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.

CHEM 2325. Organic Chemistry II (Lecture). 3 Semester Credit Hours.
Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.

CHEM 2423. Organic Chemistry I (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2323 (lecture) and CHEM 2123 (lab), including the learning outcomes listed for both courses.

CHEM 2425. Organic Chemistry II (Lecture + Lab). 4 Semester Credit Hours.
This lecture and lab course should combine all of the elements of CHEM 2325 (lecture) and CHEM 2125 (lab), including the learning outcomes listed for both courses.
**Computer Science**

**COSC 1301. Microcomputer Applications. 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. Intro 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 1310. Fund 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 Sys & 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 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. Intro to 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. Intro 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 Courses - F

French

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.

French

Gerard

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. American Government I. 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. American Government II. 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.

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 period. 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 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 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. Math for Bus & Soc Sci I. 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. Math for Bus & Soc Sci II. 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 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 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. Fundamentals of Mathematics I. 3 Semester Credit Hours.
This course is intended to build or reinforce a foundation in fundamental
mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and
properties of the various number systems with an emphasis on problem solving and critical thinking.
MATH 1351. Fundamentals of Mathematics II. 3 Semester Credit Hours.
This course is intended to build or reinforce a foundation in fundamental
mathematics concepts and skills. It includes the concepts of geometry,
measurement, probability, and statistics with an emphasis on problem solving and critical thinking.
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 2412. Precalculus Math. 4 Semester Credit Hours.
In-depth combined study of algebra, trigonometry, and other topics for
calculus readiness.
MATH 2413. Calculus I. 4 Semester Credit Hours.
Limits and continuity; the Fundamental Theorem of Calculus; definition of
the derivative of a function and techniques of differentiation; applications
of the derivative to maximizing or minimizing a function; the chain rule,
mean value theorem, and rate of change problems; curve sketching;
definite and indefinite integration of algebraic, trigonometric, and
transcendental functions, with an application to calculation of areas.
MATH 2414. Calculus II. 4 Semester Credit Hours.
Differentiation and integration of transcendental functions; parametric
equations and polar coordinates; techniques of integration; sequences
and series; improper integrals.
MATH 2415. Calculus III. 4 Semester Credit Hours.
Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem.

PHYS 2425. 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 and physical systems; and emphasis on problem solving.

PHYS 2426. 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; laboratory experiments supporting theoretical principles presented in PHYS 2425 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; and emphasis on problem solving.

PHYS 2125. University Physics Lab I. 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 Lab II. 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.

Physics

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.

Music

MUSI 1301. Fundamentals of Music I. 3 Semester Credit Hours.
Introduction to the basic elements of music theory for non-music majors: scales, intervals, keys, triads, elementary ear training, keyboard harmony, notation, meter, and rhythm. (Does not apply to a music major degree.)

MUSI 1310. American Music. 3 Semester Credit Hours.
General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

Philosophy

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 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.

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 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 1311. Beginning Spanish I. 3 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 1312. Beginning Spanish II. 3 Semester Credit Hours.
Continued development of 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 high beginner to low intermediate level.

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 will 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. Fundamentals of Speech. 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 Communications. 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 & Prof Speaking. 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 Courses - T

Early Childhood Education

TECA 1303. Families, Schools & Communicat. 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. 241 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.